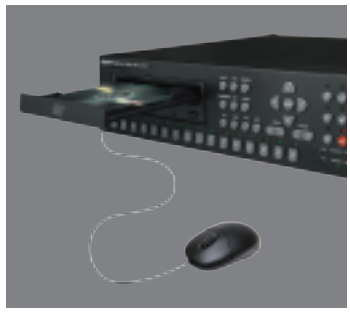
GSP / Digital & IP Video
Security Systems

GSP General Catalog

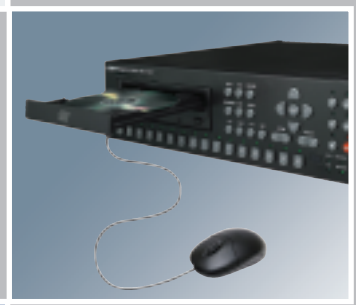


GSP SYSTEMS Inc.
Http://www.DigitalGSP.com

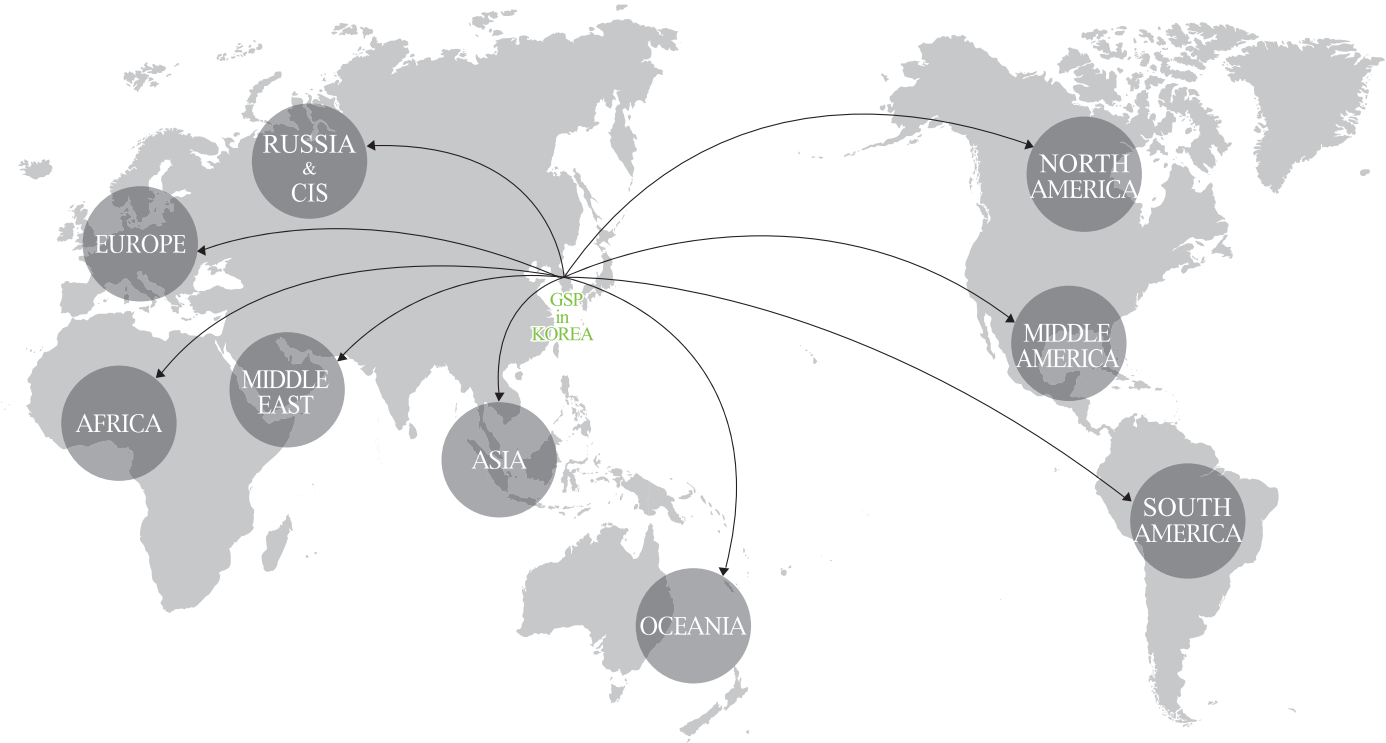
Humanism through
Digital & IP Video Security Systems

The reliability and credibility of GSP products will make you achieve the goal in the security market. Since the establishment of the company, GSP has been specialized in designing, developing, manufacturing and supplying the most advanced lines of fully integrated video security surveillance systems to all over the world.

With its wide product range and large worldwide distribution network, GSP has been creating new business opportunity by strengthening its lineup of high-value-added products and developing digital technology to meet the market trend and customers' needs.



GSP / Digital & IP Video Security Systems



Being GSP's partner

GSP has achieved market expansion up to 60 countries consists of 100 customers based on the industrial know-how acquired through business history over the past 10 years.

AUSTRALIA, AUSTRIA, AZERBAIJAN, BAHRAIN, BELGIUM, BOTSWANA, BRAZIL, BULGARIA, CANADA, CHILE, CHINA, CYPRUS, DENMARK, EGYPT, ETHIOPIA, FRANCE, GERMANY, GREECE, HONG KONG, HUNGARY, INDIA, INDONESIA, IRAN, IRELAND, ISRAEL, ITALY, JAPAN, JORDAN, KAZAKHSTAN, KUWAIT, LEBANON, LIBYA, LITHUANIA, MALAYSIA, MAURITIUS, MEXICO, MOROCCO, NETHERLAND, NEW ZEALAND, NIGERIA, NORWAY, PAKISTAN, PANAMA, PHILIPPINES, POLAND, PORTUGAL, QATAR, ROMANIA, RUSSIA, SAUDI ARABIA, SINGAPORE, SLOVAKIA, SOUTH AFRICA, SPAIN, SWEDEN, SWITZERLAND, SYRIA, THAILAND, TUNISIA, UAE, USA, VENEZUELA, VIETNAM, YEMEN, ZIMBABWE ETC...

GSP Product Line Up

PIXIM Seawolf WDR Camera - 690TVL Series 06

Full Body
3-AXIS Vandal-Resistant Dome
3-AXIS 4" Indoor Dome
Compact 3-AXIS 4" Indoor Dome
IR Bullet

CCD Camera - 650/600TVL Series NEW 12

Full Body
3-AXIS Vandal-Resistant Dome
3-AXIS 4" Indoor Dome
Compact 3-AXIS 4" Indoor Dome
3-AXIS Mini Indoor Dome
IR Bullet
All-in-One

Specialty Camera - 550/420TVL Series NEW 24

IR Bullet & Bullet
3-AXIS Mini Vandal-Resistant Dome
Compact 3-AXIS 4" Indoor Dome
3-AXIS Mini Indoor Dome
Miniature Pinhole (Bullet / Square Type)
Hidden (PIR / Smoke Detector Type)

PTZ - Cyber Scan Dome Ⅱ Series NEW 30

X37 Integrated Positioning System
X36 Outdoor / Indoor
X33 Outdoor / Indoor
X10 Outdoor / Indoor

System Equipment

Keyboard Controller
32CH System Matrix
Command Distribtor

Digital Video Recorder 40

H.264 Stand Alone Type(4/8/16CH)
H.264 Stand Alone Monitor Combo Type(4/8CH)
Remote Management System Software(32CH)

IP Mega Pixel Camera NEW 46

2.0M X20 Outdoor PTZ
2.0M X10 Outdoor / Indoor PTZ
2.0M X10 Motorized Zoom Full Body
1.3M Full Body
1.3M 3-AXIS Vandal-Resistant Dome
Remote Management System Software(16CH)

IP Video Networks NEW 53

Pixim Seawolf WDR Camera
CCD Camera
X36 Outdoor / Indoor PTZ
X10 Outdoor / Indoor PTZ
Encoder(1/4CH) / Decoder(1CH)
Remote Management System Software(16CH)

Central Management System(CMS) 63

Accessory 67

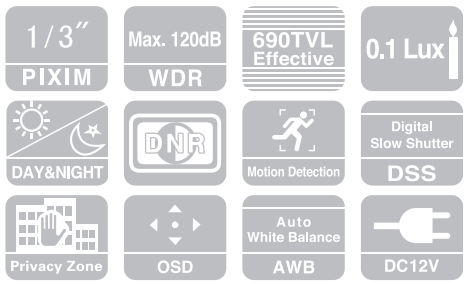
Mount Bracket & Housing for Integrated Positioning System / PTZ / Full Body / Dome
C/CS Mount Lens

PIXIM WDR Camera

Powerful Wide Dynamic Range
and a Variety of Choice

GPX-F902DN/902DS

Pixim *Seawolf* WDR Full Body Camera



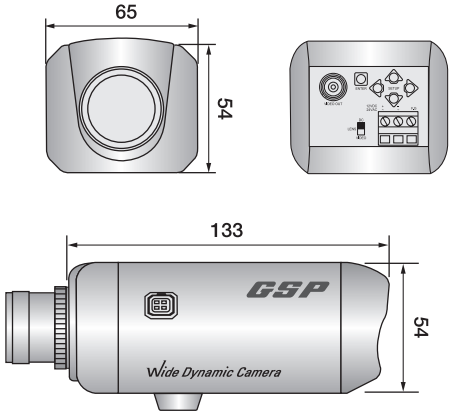
FEATURES

- PIXIM 1/3" DPS (Digital Pixel System) Technology
- Horizontal Resolution of 690TVL Effective
- WDR (Wide Dynamic Range) *Typical 102dB / Max. 120dB*
- 3D-DNR (Digital Noise Reduction)
- Day&Night (Auto ICR / Digital)
- OSD Menu *easily operated by Buttons*
- Motion Detection *4 zones*
- Digital Slow Shutter *X2 ~ X64*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0*
- Privacy Masking *12 zones*
- Vertical Flip, Mirror

OPTION

- Housing / Mounting Bracket
  - GMB-100EX : Outdoor Housing
  - GMB-100EXFH : Outdoor Housing w/Fan&Heater
  - GMB-100W : Wall Mount Bracket
  - GMB-100C : J-type Ceiling Mount Bracket
- CS Mount Lens
  - 2.8-8mm(X2.8)
  - 2.7-13.5mm(X5)
  - 5-50mm(X10)

DIMENSION(UNIT: mm)



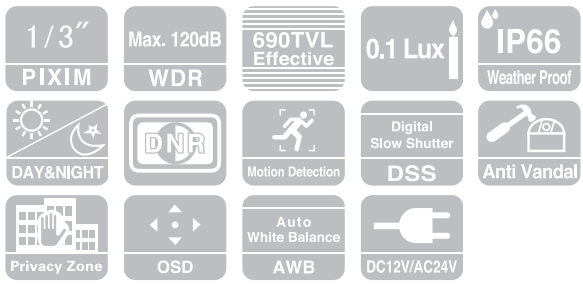
SPECIFICATION

Model	GPX-F902DN	GPX-F902DS
GENERAL		
Signal System	PAL or NTSC Selectable	
Image Sensor	Pixim 1/3" Digital Pixel System Technology (D8800C)	
Lens	C/CS Mount	
Total Pixel	(H)768 X (V)548	
Effective Pixel	(H)758 X (V)540	
Horizontal Resolution	690TVL Effective*	
Scanning System	2:1 Interlace / Progressive Selectable	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 50dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Video Test Port & Cable	N/A	
Power Input Connector	Terminal Block	
MECHANICAL		
Day&Night	Auto ICR	Digital
WDR	Support (Typical 102dB / Max. 120dB)	
Min. Illumination	0.1Lux	
BLC	OFF/ON	
Auto Gain Control	LOW/NORMAL/MEDIUM/HIGH	
White Balance	ATW/AWB/MANUAL	
Electronic Shutter	1/25(30), 720 second	
Flickerless	Pixim Enhanced Flicker Reduction Technology	
Digital Slow Shutter	OFF/ON (X2~X64)	
Motion Detection	OFF/ON (4 Zones)	
Privacy Masking	OFF/ON (12 Zones)	
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)	
Power Source	STD : DC12V / OPT : DC12V/AC24V	
Power Consumption	250mA±10%	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
IP Rating	N/A	
Color	Grayish Ivory	
Weight	300g	
Dimension(mm)	(W)65 x (H)54 x (D)133	
Material	Aluminum	

**Seawolf HTVL Effective*
Max Useable HTVL (Seawolf actual VTVL / CCD maximum VTVL)
= 540 HTVL x (460 VTVL / 360 VTVL) = 690 HTVL Effective

GPX-V904DN/904DS

Pixim *Seawolf* WDR 3-AXIS Vandal-Resistant Dome Camera

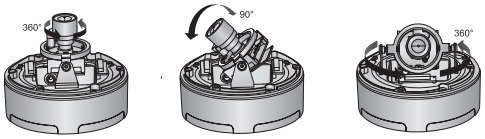


Flush Mount Type

Surface Mount Type

FEATURES

- PIXIM 1/3" DPS (Digital Pixel System) Technology
- Horizontal Resolution of 690TVL Effective
- WDR (Wide Dynamic Range) *Typical 102dB / Max. 120dB*
- 3D-DNR (Digital Noise Reduction)
- 2.8-11mm Vari-focal Auto IRIS Lens
- Day&Night (Auto ICR / Digital)
- OSD Menu *easily operated by Buttons*
- Motion Detection *4 zones*
- Digital Slow Shutter *X2 ~ X64*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0*
- Privacy Masking *12 zones*
- Vertical Flip, Mirror
- Flush Mount Hardware w/Surface Mount Plate in a Single Package
- Built-in Triaxial Bracket



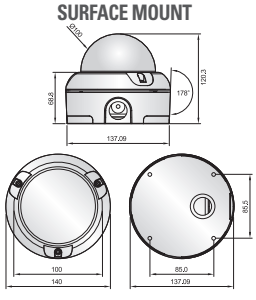
PAN TILT HORIZONTAL

OPTION

- Model
  - GPX-V904DN-F/904DS-F: wo/Surface Mount Bracket
  - GPX-V902DN/902DS: DC12V
  - GPX-V902DN-F/902DS-F: wo/Surface Mount Bracket, DC12V
- Mount Bracket(Vandal)
  - VD-S: Surface Mount Bracket
  - GMB-514V: Wall/Ceiling Mount Bracket

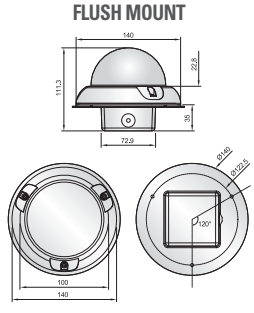
DIMENSION(UNIT: mm)

SURFACE MOUNT



TOP BOTTOM

FLUSH MOUNT



TOP BOTTOM

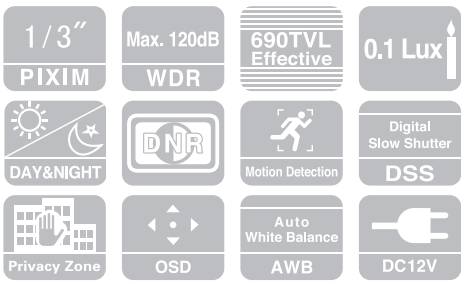
SPECIFICATION

Model	GPX-V904DN	GPX-V904DS
GENERAL		
Signal System	PAL or NTSC Selectable	
Image Sensor	Pixim 1/3" Digital Pixel System Technology (D8800C)	
Lens	2.8-11mm Vari-Focal Auto IRIS	
Total Pixel	(H)768 X (V)548	
Effective Pixel	(H)758 X (V)540	
Horizontal Resolution	690TVL Effective*	
Scanning System	2:1 Interlace / Progressive Selectable	
Sync. System	Internal(12VDC)/L.L(External/24VAC)	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 50dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Video Test Port & Cable	Support *Option*	
Power Input Connector	Shield	
MECHANICAL		
Day&Night	Auto ICR	Digital
WDR	Support (Typical 102dB / Max. 120dB)	
Min. Illumination	0.1Lux	
BLC	OFF/ON	
Auto Gain Control	LOW/NORMAL/MEDIUM/HIGH	
White Balance	ATW/AWB/MANUAL	
Electronic Shutter	1/25(30), 720 second	
Flickerless	Pixim Enhanced Flicker Reduction Technology	
Digital Slow Shutter	OFF/ON (X2~X64)	
Motion Detection	OFF/ON (4 Zones)	
Privacy Masking	OFF/ON (12 Zones)	
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)	
Power Source	STD: DC12V/AC24V / OPT: DC12V	
Power Consumption	DC12V: 250mA±10% / AC24V: 5W±10%	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
IP Rating	IP66	
Color	Ivory	
Weight	1kg	
Dimension(mm)	(W)140 X (H)120.3	
Material	Aluminum, Polycarbonate, ABS	

**Seawolf HTVL Effective*
Max Useable HTVL (Seawolf actual VTVL / CCD maximum VTVL)
= 540 HTVL x (460 VTVL / 360 VTVL) = 690 HTVL Effective

GPX-4D902DN/902DS

Pixim *Seawolf* WDR 3-AXIS 4" Indoor Dome Camera

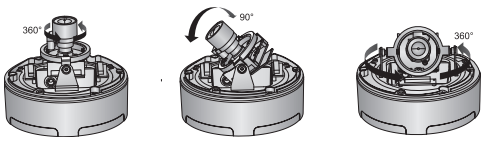


Flush Mount Type

Surface Mount Type

FEATURES

- PIXIM 1/3" DPS (Digital Pixel System) Technology
- Horizontal Resolution of 690TVL Effective
- WDR (Wide Dynamic Range) *Typical 102dB / Max. 120dB*
- 3D-DNR (Digital Noise Reduction)
- 2.8-11mm Vari-focal Auto IRIS Lens
- Day&Night (Auto ICR / Digital)
- OSD Menu *easily operated by Buttons*
- Motion Detection *4 zones*
- Digital Slow Shutter *X2 ~ X64*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0*
- Privacy Masking *12 zones*
- Vertical Flip, Mirror
- Flush Mount Hardware w/Surface Mount Plate in a Single Package
- Built-in Triaxial Bracket



PAN TILT HORIZONTAL

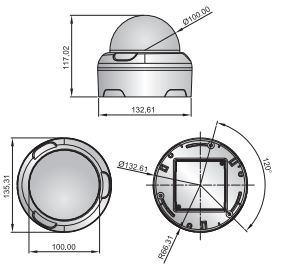
OPTION

- Model
  - GPX-4D904DN/904DS : DC12V/AC24V
- Wall Mount Bracket

- GMB-400(G): Gray Color
- GMB-400(B): Black Color

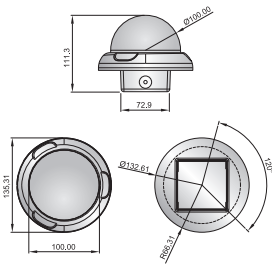
DIMENSION(UNIT: mm)

SURFACE MOUNT



TOP BOTTOM

FLUSH MOUNT



TOP BOTTOM

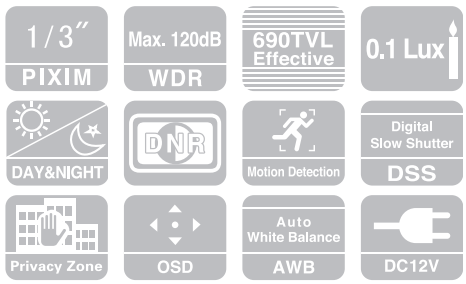
SPECIFICATION

Model	GPX-4D902DN	GPX-4D902DS
GENERAL		
Signal System	PAL or NTSC Selectable	
Image Sensor	Pixim 1/3" Digital Pixel System Technology (D8800C)	
Lens	2.8-11mm Vari-Focal Auto IRIS	
Total Pixel	(H)768 X (V)548	
Effective Pixel	(H)758 X (V)540	
Horizontal Resolution	690TVL Effective*	
Scanning System	2:1 Interlace / Progressive Selectable	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 50dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Video Test Port & Cable	Support *Option*	
Power Input Connector	DC Jack	
MECHANICAL		
Day&Night	Auto ICR	Digital
WDR	Support (Typical 102dB / Max. 120dB)	
Min. Illumination	0.1Lux	
BLC	OFF/ON	
Auto Gain Control	LOW/NORMAL/MEDIUM/HIGH	
Auto White Balance	ATW/AWB/MANUAL	
Electronic Shutter	1/25(30), 720 second	
Flickerless	Pixim Enhanced Flicker Reduction Technology	
Digital Slow Shutter	OFF/ON (X2~X64)	
Motion Detection	OFF/ON (4 Zone)	
Privacy Masking	OFF/ON (12 Zones)	
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)	
Power Source	STD : DC12V / OPT : DC12V/AC24V	
Power Consumption	250mA±10%	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
IP Rating	N/A	
Color	Ivory	
Weight	630g	
Dimension(mm)	(W)135.31 X (H)117.02	
Material	Polycarbonate, ABS	

Seawolf HTVL Effective
Max Useable HTVL (Seawolf actual VTVL / CCD maximum VTVL)
= 540 HTVL x (460 VTVL / 360 VTVL) = 690 HTVL Effective

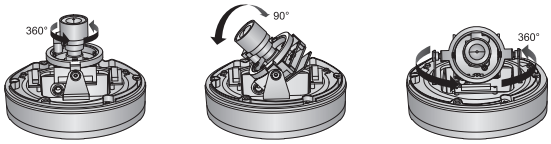
GPX-CD902DN/902DS

Pixim *Seawolf* WDR 3-AXIS Compact 4" Indoor Dome Camera



FEATURES

- PIXIM 1/3" DPS (Digital Pixel System) Technology
- Horizontal Resolution of 690TVL Effective
- WDR (Wide Dynamic Range) *Typical 102dB / Max. 120dB*
- 3D-DNR (Digital Noise Reduction)
- 2.8-11mm Vari-focal Auto IRIS Lens
- Day&Night (Auto ICR / Digital)
- OSD Menu *easily operated by Buttons*
- Motion Detection *4 zones*
- Digital Slow Shutter *X2 ~ X64*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0*
- Privacy Masking *12 zones*
- Vertical Flip, Mirror
- Built-in Triaxial Bracket



PAN TILT HORIZONTAL

OPTION

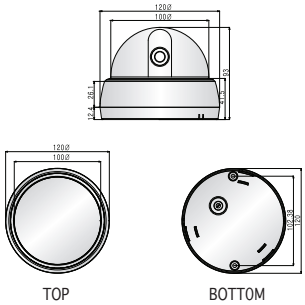
- Model

· GPX-CD902DN(B)/DS(B): Black Color

- Wall Mount Bracket

· GMB-400(G): Gray Color
· GMB-400(B): Black Color

DIMENSION(UNIT: mm)



SPECIFICATION

Model	GPX-CD902DN	GPX-CD902DS
GENERAL		
Signal System	PAL or NTSC Selectable	
Image Sensor	Pixim 1/3" Digital Pixel System Technology (D8800C)	
Lens	2.8-11mm Vari-Focal Auto IRIS	
Total Pixel	(H)768 X (V)548	
Effective Pixel	(H)758 X (V)540	
Horizontal Resolution	690TVL Effective*	
Scanning System	2:1 Interlace / Progressive Selectable	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 50dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Video Test Port & Cable	Support *Option*	
Power Input Connector	DC Jack	
MECHANICAL		
Day&Night	Auto ICR	Digital
WDR	Support (Typical 102dB / Max. 120dB)	
Min. Illumination	0.1Lux	
BLC	OFF/ON	
Auto Gain Control	LOW/NORMAL/MEDIUM/HIGH	
White Balance	ATW/AWB/MANUAL	
Electronic Shutter	1/25(30), 720 second	
Flickerless	Pixim Enhanced Flicker Reduction Technology	
Digital Slow Shutter	OFF/ON (X2~X64)	
Motion Detection	OFF/ON (4 Zones)	
Privacy Masking	OFF/ON (12 Zones)	
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)	
Power Source	STD : DC12V / OPT: DC12V/AC24V	
Power Consumption	250mA±10%	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
IP Rating	N/A	
Color	STD : White / OPT: Black	
Weight	480g	
Dimension(mm)	(W)120 X (H)93	
Material	Polycarbonate, ABS	

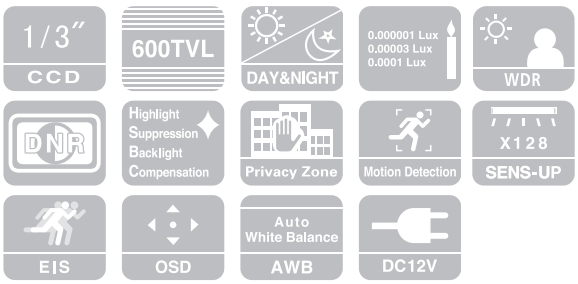
Seawolf HTVL Effective
Max Useable HTVL (Seawolf actual VTVL / CCD maximum VTVL)
= 540 HTVL x (460 VTVL / 360 VTVL) = 690 HTVL Effective

CCD Camera

High Quality, Powerful Function
and a Variety of Choice

GCAM-FB60WD/60D/60

CCD Full Body Camera



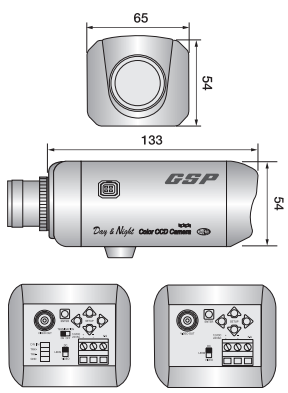
FEATURES

- Sony 1/3" Double Scan or Super HAD CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- WDR (Wide Dynamic Range) *Option*
- Day&Night (Auto ICR) *Option*
- OSD Menu *easily operated by Button*
- Motion Detection *4 zone*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppression BLC *block brightness of specific area*
- Privacy Masking *8 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0,* Vertical Flip, Mirror, Rotate

OPTION

- GCAM-FB60WD/60D/60 : DC12V/AC24V
- GCAM-FB65WD
  - Sony 1/3" 960H Dual Scan CCD
  - XDI-II Digital Signal Processer
  - Total Pixel: 600K[PAL]/520K[NTSC]
  - Horizontal Resolution: 650TVL(Color) / 700TVL(BW)
  - Day&Night(Auto ICR)
  - WDR(80dB) / Adaptive Contrast Enhancement
  - Min. Illumination: 0.00003Lux(Sens-up Auto, F1.2)
  - 3D-DNR / Sens-up / HSBLC / EIS / Privacy Masking
  - Smart / Regional Motion Detection

DIMENSION(UNIT: mm)



GCAM-FB60WD/60D GCAM-FB60

SPECIFICATION

Model	GCAM-FB60WD-DC	GCAM-FB60D-DC	GCAM-FB60-DC
GENERAL			
Signal System	PAL or NTSC		
Image Sensor	Sony 1/3" Double Scan CCD	Sony 1/3" Super HAD CCD	
Lens	C/CS Mount		
Total Pixel	470K [PAL] / 410K [NTSC]		
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]		
Horizontal Resolution	570TVL(Color), 600TVL(B/W)		
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace		
Sync. System	Internal		
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]		
S/N Ratio	More than 52dB (AGC Off)		
OSD	Support (Multi Language)		
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω		
Video Output Connector	BNC		
Video Test Port & Cable	N/A		
Power Input Connector	Terminal Block		
MECHANICAL			
Day&Night	Auto ICR	Auto ICR	Digital
WDR	Support(60dB)	N/A	N/A
Min. Illumination	0.00003Lux	0.000001Lux	0.0001Lux
BLC	OFF/WDR/BLC/HSBLC	OFF/BLC/HSBLC	OFF/BLC/HSBLC
Auto Gain Control	OFF/LOW/MIDDLE/HIGH		
White Balance	ATW/AWC/MANUAL		
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000		
Sens-up	OFF/AUTO (X2~X128)		
Motion Detection	OFF/ON (4 Zones)		
3D-DNR	OFF/LOW/MIDDLE/HIGH		
Privacy Masking	OFF/ON (8 Zones)		
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)		
Power Source	STD: DC12V / OPT: DC12V/AC24V		
Power Consumption	250mA±10%		
Operating Temperature	14°F~122°F (-10°C~50°C)		
Operating Humidity	Up to 90% RH		
Storage Temperature	-22°F~140°F (-30°C~60°C)		
IP Rating	N/A		
Color	Grayish Ivory		
Weight	300g		
Dimension(mm)	(W)65 x (H)54 x (D)133		
Material	Aluminum		

GCAM-4VD60DR/60R

CCD 3-AXIS Vandal-Resistant IR Dome Camera

OPT: Wall Mount Bracket w/ Junction Box

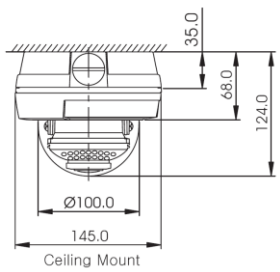
FEATURES

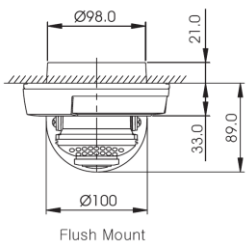
- Sony 1/3" Super HAD II CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- 2.8~12mm Vari-focal Auto IRIS Lens *optional 3.5~16mm*
- Built-in 40pcs IR LED & CDS
- Built-in Spring type IR Reflection Protector
- Day&Night (Auto ICR / Digital)
- OSD Menu *easily operated by Buttons*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppresion BLC *block brightness of specific area*
- Privacy Masking *8 zones* / Motion Detection *4 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0*, Vertical Flip, Mirror, Rotate
- Extra Video Test Port
- Optional Heater *-40°F~122°F (-40°C~50°C)*
- Optional Wall Mount Bracket with Junction Box
- Flush Mount Hardware w/Surface Mount Plate In a Single Package
- Built-in Triaxial Bracket

OPTION

- GCAM-4VD60DR/28DC : DC12V
- GCAM-4VD60R/28DC : DC12V
- GMB-500 : Wall Mount Bracket w/Juntion Box

DIMENSION(UNIT: mm)



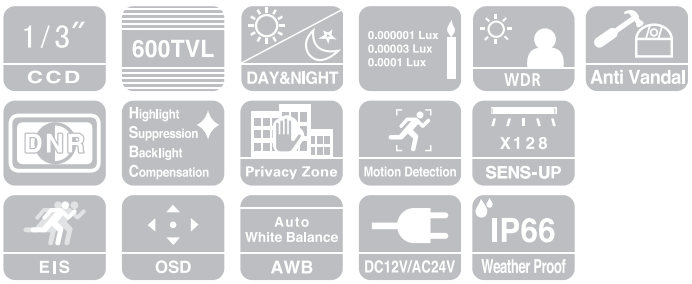


SPECIFICATION

Model	GCAM-4VD60DR/28	GCAM-4VD60R/28
GENERAL		
Signal System	PAL or NTSC	
Image Sensor	Sony 1/3" Super HAD II CCD	
Lens	2.8~12mm Vari-Focal Auto IRIS (OPT: 3.5~16mm)	
Total Pixel	470K [PAL] / 410K [NTSC]	
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]	
Horizontal Resolution	570TVL(Color), 600TVL(B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 52dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Video Test Port	Support	
Power Input Connector	Termial Block / DC Jack	
MECHANICAL		
Day&Night	Auto ICR	Digital
IR LED & Range	40pcs / 33m	
Min. Illumination	0Lux(IR LED On)	
BLC	OFF/BLC/HSBLC	
Auto Gain Control	OFF/LOW/MIDDLE/HIGH	
White Balance	ATW/AWC/MANUAL	
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000	
Sens-up	OFF/AUTO (X2~X128)	
Motion Detection	OFF/ON (4 Zones)	
3D-DNR	OFF/LOW/MIDDLE/HIGH	
Privacy Masking	OFF/ON (8 Zones)	
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)	
Heater	Optional	
Power Source	DC10V~30V/AC10V~28V(STD) / DC12V(OPT)	
Power Consumption	DC12V: 670mA±10% / AC24V: 6W±10% : IR LED On	
Operating Temperature	14°F~122°F (-10°C~50°C)	
	-40°F~122°F (-40°C~50°C) : Heater On	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
IP Rating	IP 68	
Color	Ivory	
Weight	1kg	
Dimension(mm)	(W)145 X (H)124	
Material	Aluminum, Polycarbonate, ABS	

GCAM-VD60WD/60D/60

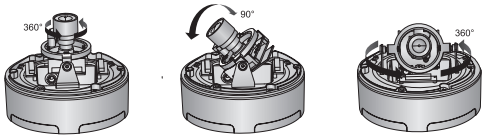
CCD 3-AXIS Vandal-Resistant Dome Camera



Flush Mount Type　　Surface Mount Type

FEATURES

- Sony 1/3" Double Scan or Super HAD CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- 2.8-11mm Vari-focal Auto IRIS Lens
- WDR (Wide Dynamic Range) *Option*
- Day&Night (Auto ICR / Digital)
- OSD Menu *easily operated by Buttons*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppression BLC *block brightness of specific area*
- Privacy Masking *8 zones* / Motion Detection *4 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0,* Vertical Flip, Mirror, Rotate
- Flush Mount Hardware w/Surface Mount Plate in a Single Package
- Built-in Triaxial Bracket



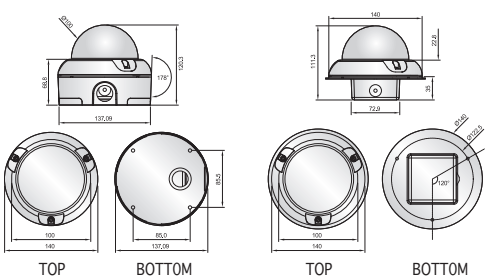
PAN　　TILT　　HORIZONTAL

OPTION

- GCAM-VD60WD-DC/60D-DC/60-DC: DC12V
- GCAM-VD65WD
  - Sony 1/3" 960H Dual Scan CCD
  - XDI-Ⅱ Digital Signal Processer
  - Total Pixel: 600K[PAL]/520K[NTSC]
  - Horizontal Resolution : 650TVL(Color) / 700TVL(BW)
  - Day&Night(Auto ICR)
  - WDR(80dB) / Adaptive Contrast Enhancement
  - Min. Illumination : 0.00003Lux(Sens-up Auto, F1.2)
  - 3D-DNR / Sens-up / HSBLC / EIS / Privacy Masking
  - Smart / Regional Motion Detection

DIMENSION(UNIT: mm)

SURFACE MOUNT　　FLUSH MOUNT



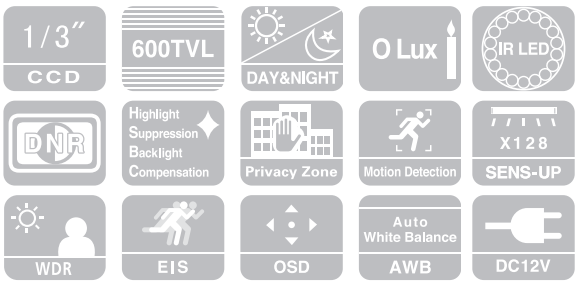
TOP　BOTTOM　　TOP　BOTTOM

SPECIFICATION

Model	GCAM-VD60WD	GCAM-VD60D	GCAM-VD60
GENERAL			
Signal System	PAL or NTSC		
Image Sensor	Sony 1/3" Double Scan CCD	Sony 1/3" Super HAD CCD	
Lens	2.8-11mm Vari-Focal Auto IRIS		
Total Pixel	470K [PAL] / 410K [NTSC]		
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]		
Horizontal Resolution	570TVL(Color), 600TVL(B/W)		
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace		
Sync. System	Internal		
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]		
S/N Ratio	More than 52dB (AGC Off)		
OSD	Support (Multi Language)		
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω		
Video Output Connector	BNC		
Video Test Port & Cable	Support *Option*		
Power Input Connector	Shield		
MECHANICAL			
Day&Night	Auto ICR	Auto ICR	Digital
WDR	Support(60dB)	N/A	N/A
Min. Illumination	0.00003Lux	0.000001Lux	0.0001Lux
BLC	OFF/WDR/BLC/HSBLC	OFF/BLC/HSBLC	OFF/BLC/HSBLC
Auto Gain Control	OFF/LOW/MIDDLE/HIGH		
White Balance	ATW/AWC/MANUAL		
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000		
Sens-up	OFF/AUTO (X2~X128)		
Motion Detection	OFF/ON (4 Zones)		
3D-DNR	OFF/LOW/MIDDLE/HIGH		
Privacy Masking	OFF/ON (8 Zones)		
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)		
Power Source	STD: DC12V/AC24V / OPT: DC12V		
Power Consumption	DC12V: 300mA±10% / AC24V:5W±10%		
Operating Temperature	14°F~122°F (-10°C~50°C)		
Operating Humidity	Up to 90% RH		
Storage Temperature	-22°F~140°F (-30°C~60°C)		
IP Rating	IP 66		
Color	Ivory		
Weight	1kg		
Dimension(mm)	(W)140 X (H)120.3		
Material	Aluminum, Polycarbonate, ABS		

GCAM-4D60WDR/60DR/60R

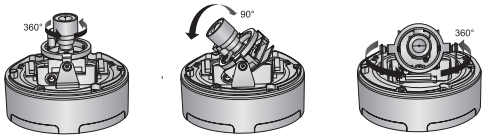
CCD 3-AXIS 4" IR Indoor Dome Camera



Flush Mount Type | Surface Mount Type | OPT: Wall Mount Bracket

FEATURES

- Sony 1/3" Double Scan or Super HAD CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- 2.8-11mm Vari-focal Auto IRIS Lens
- Built-in 15pcs IR LED & CDS
- WDR (Wide Dynamic Range) *Option*
- Day&Night (Auto ICR / Digital)
- OSD Menu *easily operated by Buttons*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppression BLC *block brightness of specific area*
- Privacy Masking *8 zones* / Motion Detection *4 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0,* Vertical Flip, Mirror, Rotate
- Flush Mount Hardware w/Surface Mount Plate in a Single Package
- Built-in Triaxial Bracket



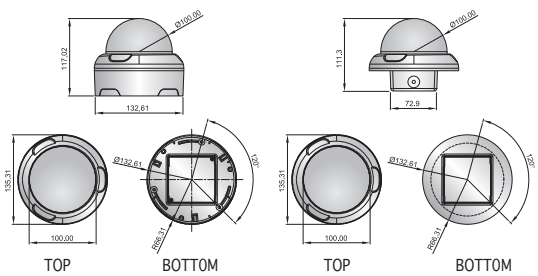
PAN | TILT | HORIZONTAL

OPTION

- GCAM-4D60WDR/60DR/60R : DC12V/AC24V
- GCAM-4D65WDR
  - Sony 1/3" 960H Dual Scan CCD
  - XDI- || Digital Signal Processer
  - Total Pixel : 600K[PAL]/520K[NTSC]
  - Horizontal Resolution : 650TVL(Color) / 700TVL(BW)
  - 15pcs IR LED / Day&Night(Auto ICR)
  - WDR(80dB) / Adaptive Contrast Enhancement
  - Min. Illumination : 0Lux(IR LED ON)
  - 3D-DNR / Sens-up / HSBLC / EIS / Privacy Masking
  - Smart / Regional Motion Detection

DIMENSION(UNIT: mm)

SURFACE MOUNT | FLUSH MOUNT



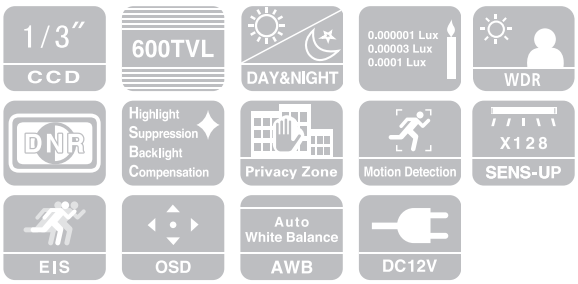
TOP | BOTTOM | TOP | BOTTOM

SPECIFICATION

Model	GCAM-4D60WDR-DC	GCAM-4D60DR-DC	GCAM-4D60R-DC
GENERAL			
Signal System	PAL or NTSC		
Image Sensor	Sony 1/3" Double Scan CCD	Sony 1/3" Super HAD CCD	
Lens	2.8-11mm Vari-Focal Auto IRIS		
Total Pixel	470K [PAL] / 410K [NTSC]		
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]		
Horizontal Resolution	570TVL(Color), 600TVL(B/W)		
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace		
Sync. System	Internal		
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]		
S/N Ratio	More than 52dB (AGC Off)		
OSD	Support (Multi Language)		
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω		
Video Output Connector	BNC		
Video Test Port & Cable	Support *Option*		
Power Input Connector	DC Jack		
MECHANICAL			
Day&Night	Auto ICR	Auto ICR	Digital
WDR	Support(60dB)	N/A	N/A
IR LED & Range	15pcs / 13m		
Min. Illumination	0Lux(IR LED On)		
BLC	OFF/WDR/BLC/HSBLC	OFF/BLC/HSBLC	OFF/BLC/HSBLC
Auto Gain Control	OFF/LOW/MIDDLE/HIGH		
White Balance	ATW/AWC/MANUAL		
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000		
Sens-up	OFF/AUTO (X2~X128)		
Motion Detection	OFF/ON (4 Zones)		
3D-DNR	OFF/LOW/MIDDLE/HIGH		
Privacy Masking	OFF/ON (8 Zones)		
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)		
Power Source	STD : DC12V / OPT: DC12V/AC24V		
Power Consumption	550mA±10% (IR LED ON)		
Operating Temperature	14°F~122°F (-10°C~50°C)		
Operating Humidity	Up to 90% RH		
Storage Temperature	-22°F~140°F (-30°C~60°C)		
IP Rating	N/A		
Color	Ivory		
Weight	630g		
Dimension(mm)	(W)135.31 X (H)117.02		
Material	Polycarbonate, ABS		

GCAM-4D60WD/60D/60

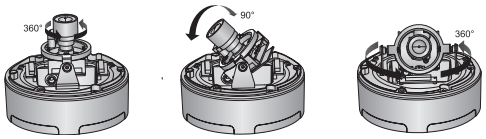
CCD 3-AXIS 4" Indoor Dome Camera



Flush Mount Type | Surface Mount Type | OPT: Wall Mount Bracket

FEATURES

- Sony 1/3" Double Scan or Super HAD CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- 2.8-11mm Vari-focal Auto IRIS Lens
- WDR (Wide Dynamic Range) *Option*
- Day&Night (Auto ICR / Digital)
- OSD Menu *easily operated by Buttons*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppression BLC *block brightness of specific area*
- Privacy Masking *8 zones* / Motion Detection *4 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0,* Vertical Flip, Mirror, Rotate
- Flush Mount Hardware w/Surface Mount Plate in a Single Package
- Built-in Triaxial Bracket

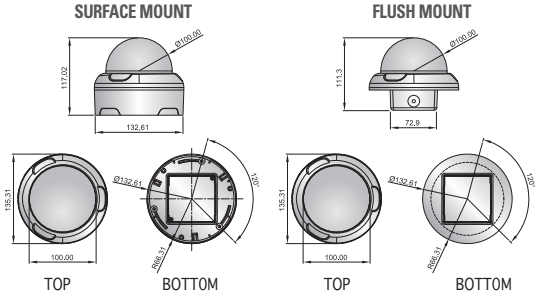


PAN | TILT | HORIZONTAL

OPTION

- GCAM-4D60WD/60D/60 : DC12V/AC24V
- GCAM-4D65WD
  - Sony 1/3" 960H Dual Scan CCD
  - XDI-Ⅱ Digital Signal Processer
  - Total Pixel : 600K[PAL]/520K[NTSC]
  - Horizontal Resolution : 650TVL(Color) / 700TVL(BW)
  - Day&Night(Auto ICR)
  - WDR(80dB) / Adaptive Contrast Enhancement
  - Min. Illumination : 0Lux(IR LED ON)
  - 3D-DNR / Sens-up / HSBLC / EIS / Privacy Masking
  - Smart / Regional Motion Detection

DIMENSION(UNIT: mm)

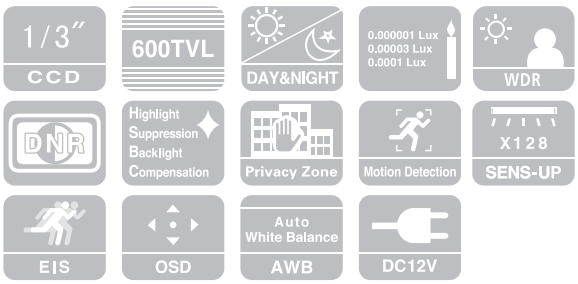


SPECIFICATION

Model	GCAM-4D60WD-DC	GCAM-4D60D-DC	GCAM-4D60-DC
GENERAL			
Signal System	PAL or NTSC		
Image Sensor	Sony 1/3" Double Scan CCD	Sony 1/3" Super HAD CCD	
Lens	2.8-11mm Vari-Focal Auto IRIS		
Total Pixel	470K [PAL] / 410K [NTSC]		
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]		
Horizontal Resolution	570TVL(Color), 600TVL(B/W)		
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace		
Sync. System	Internal		
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]		
S/N Ratio	More than 52dB (AGC Off)		
OSD	Support (Multi Language)		
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω		
Video Output Connector	BNC		
Video Test Port & Cable	Support *Option*		
Power Input Connector	DC Jack		
MECHANICAL			
Day&Night	Auto ICR	Auto ICR	Digital
WDR	Support(60dB)	N/A	N/A
Min. Illumination	0.00003Lux	0.000001Lux	0.0001Lux
BLC	OFF/WDR/BLC/HSBLC	OFF/BLC/HSBLC	OFF/BLC/HSBLC
Auto Gain Control	OFF/LOW/MIDDLE/HIGH		
White Balance	ATW/AWC/MANUAL		
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000		
Sens-up	OFF/AUTO (X2~X128)		
Motion Detection	OFF/ON (4 Zones)		
3D-DNR	OFF/LOW/MIDDLE/HIGH		
Privacy Masking	OFF/ON (8 Zones)		
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)		
Power Source	STD : DC12V / OPT: DC12V/AC24V		
Power Consumption	250mA±10%		
Operating Temperature	14°F~122°F (-10°C~50°C)		
Operating Humidity	Up to 90% RH		
Storage Temperature	-22°F~140°F (-30°C~60°C)		
IP Rating	N/A		
Color	Ivory		
Weight	630g		
Dimension(mm)	(W)135.31 X (H)117.02		
Material	Polycarbonate, ABS		

GCAM-CD60WD/60D/60

CCD 3-AXIS Compact 4" Indoor Dome Camera



OPT: Black Color

OPT: Wall Mount Bracket
(Gray / Black)

FEATURES

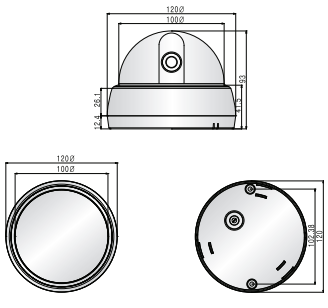
- Sony 1/3" Double Scan or Super HAD CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- 2.8-11mm Vari-focal Auto IRIS Lens
- WDR (Wide Dynamic Range) *Option*
- Day&Night (Auto ICR / Digital)
- OSD Menu *easily operated by Buttons*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppression BLC *block brightness of specific area*
- Privacy Masking *8 zones* / Motion Detection *4 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0,* Vertical Flip, Mirror, Rotate
- Built-in Triaxial Bracket

PAN TILT HORIZONTAL

OPTION

- GCAM-CD60WD/60D/60 : DC12V/AC24V
- GCAM-CD65WD
  - Sony 1/3" 960H Dual Scan CCD
  - XDI-Ⅱ Digital Signal Processer
  - Total Pixel: 600K[PAL]/520K[NTSC]
  - Horizontal Resolution: 650TVL(Color) / 700TVL(BW)
  - Day&Night(Auto ICR)
  - WDR(80dB) / Adaptive Contrast Enhancement
  - Min. Illumination: 0Lux(IR LED ON)
  - 3D-DNR / Sens-up / HSBLC / EIS / Privacy Masking
  - Smart / Regional Motion Detection

DIMENSION(UNIT: mm)



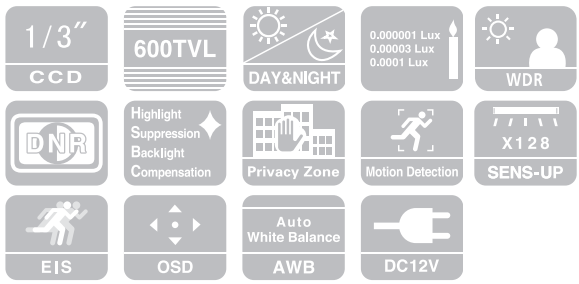
TOP BOTTOM

SPECIFICATION

Model	GCAM-CD60WD-DC	GCAM-CD60D-DC	GCAM-CD60-DC
GENERAL			
Signal System	PAL or NTSC		
Image Sensor	Sony 1/3" Double Scan CCD	Sony 1/3" Super HAD CCD	
Lens	2.8-11mm Vari-Focal Auto IRIS		
Total Pixel	470K [PAL] / 410K [NTSC]		
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]		
Horizontal Resolution	570TVL(Color), 600TVL(B/W)		
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace		
Sync. System	Internal		
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]		
S/N Ratio	More than 52dB (AGC Off)		
OSD	Support (Multi Language)		
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω		
Video Output Connector	BNC		
Video Test Port & Cable	Support *Option*		
Power Input Connector	DC Jack		
MECHANICAL			
Day&Night	Auto ICR	Auto ICR	Digital
WDR	Support(60dB)	N/A	N/A
Min. Illumination	0.00003Lux	0.000001Lux	0.0001Lux
BLC	OFF/WDR/BLC/HSBLC	OFF/BLC/HSBLC	OFF/BLC/HSBLC
Auto Gain Control	OFF/LOW/MIDDLE/HIGH		
White Balance	ATW/AWC/MANUAL		
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000		
Sens-up	OFF/AUTO (X2~X128)		
Motion Detection	OFF/ON (4 Zones)		
3D-DNR	OFF/LOW/MIDDLE/HIGH		
Privacy Masking	OFF/ON (8 Zones)		
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)		
Power Source	STD : DC12V / OPT: DC12V/AC24V		
Power Consumption	250mA±10%		
Operating Temperature	14°F~122°F (-10°C~50°C)		
Operating Humidity	Up to 90% RH		
Storage Temperature	-22°F~140°F (-30°C~60°C)		
IP Rating	N/A		
Color	STD : White / OPT: Black		
Weight	480g		
Dimension(mm)	(W)120 X (H) 93		
Material	Polycarbonate, ABS		

GCAM-2D60W/60

CCD 3-AXIS 3" Indoor Mini Dome Camera

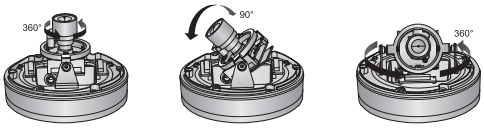


OPT: Black Color

OPT: Wall Mount Bracket
(Gray / Black)

FEATURES

- Sony 1/3" Double Scan or Super HAD CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- 4mm Fixed Board Lens
- WDR (Wide Dynamic Range) *Option*
- Day&Night (Digital)
- OSD Menu *easily operated by Buttons*
- Motion Detection *4 zones*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppresion *BLC block brightness of specific area*
- Privacy Masking *8 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0,* Vertical Flip, Mirror, Rotate
- Built-in Triaxial Bracket

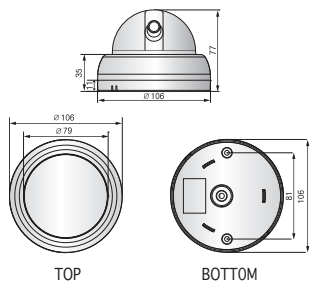


PAN TILT HORIZONTAL

OPTION

- GCAM-2D65WD
  - · Sony 1/3" 960H Dual Scan CCD
  - · XDI-Ⅱ Digital Signal Processer
  - · Total Pixel : 600K[PAL]/520K[NTSC]
  - · Horizontal Resolution : 650TVL(Color) / 700TVL(BW)
  - · Day&Night(Digital)
  - · WDR(80dB) / Adaptive Contrast Enhancement
  - · Min. Illumination : 0.00003Lux(Sens-up Auto, F1.2)
  - · 3D-DNR / Sens-up / HSBLC / EIS / Privacy Masking
  - · Smart / Regional Motion Detection

DIMENSION(UNIT: mm)



TOP BOTTOM

SPECIFICATION

Model	GCAM-2D60W-DC	GCAM-2D60-DC
GENERAL		
Signal System	PAL or NTSC	
Image Sensor	Sony 1/3" Double Scan CCD	Sony 1/3" Super HAD CCD
Lens	4mm Fixed Board Lens	
Total Pixel	470K [PAL] / 410K [NTSC]	
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]	
Horizontal Resolution	570TVL(Color), 600TVL(B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 52dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Video Test Port & Cable	Support *Option*	
Power Input Connector	DC Jack	
MECHANICAL		
Day&Night	Digital	
WDR	Support(60dB)	N/A
Min. Illumination	0.00003Lux	0.0001Lux
BLC	OFF/WDR/BLC/HSBLC	OFF/BLC/HSBLC
Auto Gain Control	OFF/LOW/MIDDLE/HIGH	
White Balance	ATW/AWC/MANUAL	
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000	
Sens-up	OFF/AUTO (X2~X128)	
Motion Detection	OFF/ON (4 Zones)	
3D-DNR	OFF/LOW/MIDDLE/HIGH	
Privacy Masking	OFF/ON (8 Zones)	
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)	
Power Source	DC12V	
Power Consumption	150mA±10%	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
IP Rating	N/A	
Color	STD : White / OPT: Black	
Weight	375g	
Dimension(mm)	(W)106 X (H)77	
Material	Polycarbonate, ABS	

GCAM-A60DR

CCD All-in-One Camera

FEATURES

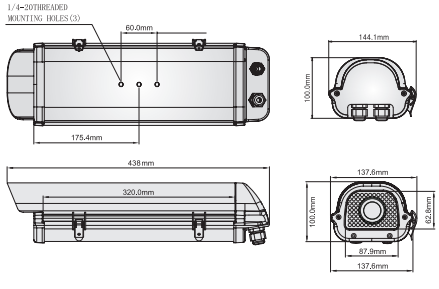
- Sony 1/3" Super HAD CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- 95PCS IR LED & CDS *Adjustable IR LED Brightness*
- 6~50/3.5~16mm Vari-Focal Auto IRIS Lens
- Day&Night (Auto ICR)
- OSD Menu *easily operated by Buttons*
- Motion Detection *4 zones*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppression BLC *block brightness of specific area*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0*
- Privacy Masking *8 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0*, Vertical Flip, Mirror, Rotate

- Built-in Cooling Fan
- Long lifespan against UV exposure
- Simple cap type end for easy installation & services
- Side opening type with two latches

OPTION

- GCAM-A65WDR65/35
  - Sony 1/3" 960H Dual Scan CCD
  - XDI-Ⅱ Digital Signal Processer
  - Total Pixel : 600K[PAL]/520K[NTSC]
  - Horizontal Resolution : 650TVL(Color) / 700TVL(BW)
  - 95pcs IR LED / Day&Night(Auto ICR)
  - WDR(80dB) / Adaptive Contrast Enhancement
  - Min. Illumination : 0Lux(IR LED ON)
  - 3D-DNR / Sens-up / HSBLC / EIS / Privacy Masking
  - Smart / Regional Motion Detection

DIMENSION(UNIT: mm)



SPECIFICATION

Model	GCAM-A60DR-65DC	GCAM-A60DR-35DC
GENERAL		
Signal System	PAL or NTSC	
Image Sensor	Sony 1/3" Super HAD CCD	
Lens	6~50mm Vari-Focal Auto IRIS Lens	3.5~16mm Vari-Focal Auto IRIS Lens
Total Pixel	470K [PAL] / 410K [NTSC]	
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]	
Horizontal Resolution	570TVL(Color), 600TVL(B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 52dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC, Screw Terminal Block	
Video Test Port	Support (BNC Type)	
Power Input Connector	DC Jack, Screw Terminal Block	
MECHANICAL		
Day&Night	Auto ICR	
IR LED & Range	95pcs / Over 100m	
Min. Illumination	0Lux (IR LED On)	
BLC	OFF/BLC/HSBLC	
Auto Gain Control	OFF/LOW/MIDDLE/HIGH	
White Balance	ATW/AWC/MANUAL	
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000	
Sens-up	OFF/AUTO (X2~X128)	
Motion Detection	OFF/ON (4 Zones)	
3D-DNR	OFF/LOW/MIDDLE/HIGH	
Privacy Masking	OFF/ON (8 Zones)	
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)	
Power Source	DC12V	
Power Consumption	3A±10% (IR LED On)	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
Cooling Fan	Built-in	
IP Rating	IP 55	
Color	Ivory	
Weight	1.9kg	
Dimension(mm)	(W)137.6 X (H)100 X (D)438.0	
Material	Aluminum, ABS	

GCAM-8E60WDR/60DR

CCD Ø88 IR Bullet Camera

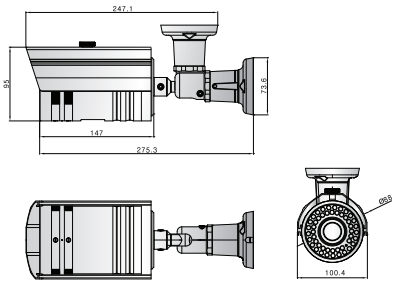
FEATURES

- Sony 1/3" Double Scan or Super HAD CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- 60PCS IR LED & CDS
- 6-50mm Vari-Focal Auto IRIS Lens
- WDR (Wide Dynamic Range) *Option*
- Day&Night (Auto ICR)
- OSD Menu *easily operated by Buttons*
- Motion Detection *4 zones*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppression BLC *block brightness of specific area*
- Privacy Masking *8 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0*, Vertical Flip, Mirror, Rotate
- Split-glass Adapted Prevent LED Reflection
- External Zoom & Focus Adjustment
- External OSD control by Joystick

OPTION

- GCAM-8E60DR-DC : DC12V
- GCAM-8E65WDR
  - Sony 1/3" 960H Dual Scan CCD
  - XDI- Ⅱ Digital Signal Processer
  - Total Pixel : 600K[PAL]/520K[NTSC]
  - Horizontal Resolution : 650TVL(Color) / 700TVL(BW)
  - 60pcs IR LED / Day&Night(Auto ICR)
  - WDR(80dB) / Adaptive Contrast Enhancement
  - Min. Illumination : 0Lux(IR LED ON)
  - 3D-DNR / Sens-up / HSBLC / EIS / Privacy Masking
  - Smart / Regional Motion Detection

DIMENSION(UNIT: mm)



SPECIFICATION

Model	GCAM-8E60WDR	GCAM-8E60DR
GENERAL		
Signal System	PAL or NTSC	
Image Sensor	Sony 1/3" Double Scan CCD	Sony 1/3" Super HAD CCD
Lens	6-50mm Vari-Focal Auto IRIS Lens	
Total Pixel	470K [PAL] / 410K [NTSC]	
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]	
Horizontal Resolution	570TVL(Color), 600TVL(B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 52dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Video Test Port	Support *Option*	
Power Input Connector	Shield	
MECHANICAL		
Day&Night	Auto ICR	
WDR	Support(60dB)	N/A
IR LED & Range	60pcs / Over 60m	
Min. Illumination	0Lux (IR LED On)	
BLC	OFF/WDR/BLC/HSBLC	OFF/BLC/HSBLC
Auto Gain Control	OFF/LOW/MIDDLE/HIGH	
White Balance	ATW/AWC/MANUAL	
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000	
Sens-up	OFF/AUTO (X2~X128)	
Motion Detection	OFF/ON (4 Zones)	
3D-DNR	OFF/LOW/MIDDLE/HIGH	
Privacy Masking	OFF/ON (8 Zones)	
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)	
Power Source	STD: DC12V/AC24V / OPT: DC12V	
Power Consumption	DC12V: 3A±10% (IR LED On)	
	AC24V: 1A±10% (IR LED On)	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
IP Rating	IP 66	
Color	Ivory	
Weight	1.5kg	
Dimension(mm)	(W)275.3 X (H)95	
Material	Aluminum	

GCAM-7E60WDR/60DR

CCD Ø77 IR Bullet Camera

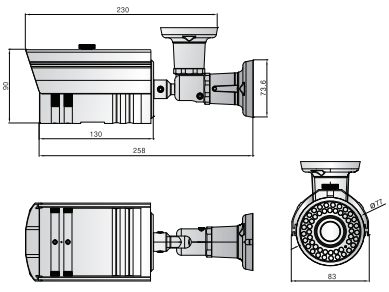
FEATURES

- Sony 1/3" Super HAD CCD
- Digital Signal Process
- Horizontal Resolution of 600TVL
- 44PCS IR LED & CDS
- 3.5-16mm Vari-Focal Auto IRIS Lens
- WDR (Wide Dynamic Range) *Option*
- Day&Night (Auto ICR)
- OSD Menu *easily operated by Buttons*
- Motion Detection *4 zones*
- 3D-DNR (Digital Noise Reduction)
- Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
- Image Stabilizer *minimize appearance of shaky images caused by vibration*
- Highlight Suppression BLC *block brightness of specific area*
- Privacy Masking *8 zones*
- Digital Pan/Tilt/Zoom *X1.1 ~ X8.0*, Vertical Flip, Mirror, Rotate
- Split-glass Adapted Prevent LED Reflection
- External Zoom & Focus Adjustment
- External OSD control by Joystick

OPTION

- GCAM-7E60DR-DC : DC12V
- GCAM-7E65WDR
  - Sony 1/3" 960H Dual Scan CCD
  - XDI-Ⅱ Digital Signal Processer
  - Total Pixel : 600K[PAL]/520K[NTSC]
  - Horizontal Resolution : 650TVL(Color) / 700TVL(BW)
  - 44pcs IR LED / Day&Night(Auto ICR)
  - WDR(80dB) / Adaptive Contrast Enhancement
  - Min. Illumination : 0Lux(IR LED ON)
  - 3D-DNR / Sens-up / HSBLC / EIS / Privacy Masking
  - Smart / Regional Motion Detection

DIMENSION(UNIT: mm)



SPECIFICATION

Model	GCAM-7E60WDR	GCAM-7E60DR
GENERAL		
Signal System	PAL or NTSC	
Image Sensor	Sony 1/3" Double Scan CCD	Sony 1/3" Super HAD CCD
Lens	3.5-16mm Vari-Focal Auto IRIS Lens	
Total Pixel	470K [PAL] / 410K [NTSC]	
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]	
Horizontal Resolution	570TVL(Color), 600TVL(B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 52dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Video Test Port	Support *Option*	
Power Input Connector	Shield	
MECHANICAL		
Day&Night	Auto ICR	
WDR	Support(60dB)	N/A
IR LED & Range	44pcs / Over 45m	
Min. Illumination	0Lux (IR LED On)	
BLC	OFF/WDR/BLC/HSBLC	OFF/BLC/HSBLC
Auto Gain Control	OFF/LOW/MIDDLE/HIGH	
White Balance	ATW/AWC/MANUAL	
Electronic Shutter	X512~X2, AUTO, OFF, A.FLK, 1/50(60)~1/90,000	
Sens-up	OFF/AUTO (X2~X128)	
Motion Detection	OFF/ON (4 Zones)	
3D-DNR	OFF/LOW/MIDDLE/HIGH	
Privacy Masking	OFF/ON (8 Zones)	
Digital Pan/Tilt/Zoom	OFF/ON (X1.1~X8.0)	
Power Source	STD: DC12V/AC24V / OPT: DC12V	
Power Consumption	DC12V: 1A±10% (IR LED On)	
	AC24V: 500mA±10% (IR LED On)	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
IP Rating	IP 66	
Color	Ivory	
Weight	1.1kg	
Dimension(mm)	(W)258 X (H)90	
Material	Aluminum	

GK-6B55R

CCD IR Bullet Camera

1/3″ CCD | 550TVL | 0 Lux | DAY&NIGHT | IR LED | Auto White Balance AWB | IP66 Weather Proof | DC12V

FEATURES

- Sony 1/3" Super HAD Ⅱ CCD
- Digital Signal Process
- Horizontal Resolution of 550TVL
- Auto White Balance
- 36pcs IR LED & CDS
- Day&Night (Auto ICR)
- 4-9mm Vari Focal Auto Iris Lens
- IP66 Rating

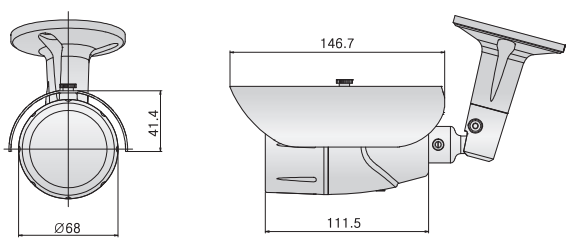
SPECIFICATION

Model	GK-6B55R
Signal System	PAL or NTSC
Image Sensor	Sony 1/3" Super HAD Ⅱ CCD
Lens	4-9mm Vari-Focal Auto IRIS Lens
Total Pixel	470K[PAL] / 410K[NTSC]
Effective Pixel	(H)752X(V)582[PAL] / (H)768X(V)494[NTSC]
Horizontal Resolution	550TVL
Scanning System	625Lines[PAL]/525Lines[NTSC] 2:1 Interlace
Sync. System	Internal
S/N Ratio	More than 50dB(AGC Off)
Day&Night	Digital
IR LED & Range	36pcs / 35m
Min. Illumination	0 Lux(IR LED On)
White Balance	Auto
Electronic Shutter	1/50(60)~1/100,000
Power	DC12V: 250mA±10%(IR LED On)
Operating Temperature	14˚F~122˚F (-10˚C~50˚C)
IP Rating	IP 66
Weight	360g
Dimension(mm)	(W)146.7 X (H)75.4

OPTION

- Model
  - GK-6B42R : 420TVL

DIMENSION(UNIT: mm)



GK-5B55RF

CCD IR Bullet Camera

1/3″ CCD | 550TVL | 0 Lux | DAY&NIGHT | IR LED | Auto White Balance AWB | IP66 Weather Proof | DC12V

FEATURES

- Sony 1/3" Super HAD Ⅱ CCD
- Digital Signal Process
- Horizontal Resolution of 550TVL
- Auto White Balance
- 24pcs IR LED & CDS
- Day&Night (Digital)
- 4mm Fixed Board Lens
- IP66 Rating

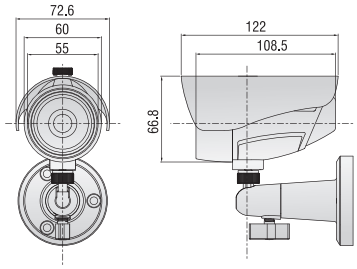
SPECIFICATION

Model	GK-5B55RF
Signal System	PAL or NTSC
Image Sensor	Sony 1/3" Super HAD Ⅱ CCD
Lens	4mm Fixed Board Lens
Total Pixel	470K[PAL] / 410K[NTSC]
Effective Pixel	(H)752X(V)582[PAL] / (H)768X(V)494[NTSC]
Horizontal Resolution	550TVL
Scanning System	625Lines[PAL]/525Lines[NTSC] 2:1 Interlace
Sync. System	Internal
S/N Ratio	More than 50dB(AGC Off)
Day&Night	Digital
IR LED & Range	24pcs / 25m
Min. Illumination	0 Lux(IR LED On)
White Balance	Auto
Electronic Shutter	1/50(60)~1/100,000
Power	DC12V: 250mA±10%(IR LED On)
Operating Temperature	14˚F~122˚F (-10˚C~50˚C)
IP Rating	IP 66
Weight	230g
Dimension(mm)	(W)122 X (H)60

OPTION

- Model
  - GK-5B42RF : 420TVL

DIMENSION(UNIT: mm)



PTZ & System Equipment

- X37 Integrated Positioning System
- X36/X33/X10 PTZ Camera - Cyber Scan Ⅱ Dome Series
- System Controller / Matrix / Command Distributor

KEY FEATURE

PRODIGY Series...

GSP PRODIGY Series is an Integrated Positioning System which is created for perfect outdoor surveillance in any conditions.

This positioning system consists of camera, lens, telemetry receiver and high performance Pan/Tilt driver, and provides 360° continuous panning and -90°~40° tilting range.

PRODIGY can be provided with not only various types like Analog / IP / IP Mega Pixel / Thermal but vacant verion for whom would like to use their own zoom module inside of housing.

Opt: Black Edition

PT — Integrated Camera, Lens, Telemetry Receiver and Pan/Tilt Driver

Integrated System — Adaptable Analog, IP, Mega Pixel, Thermal and user`s own module camera

360° — 360º Continuous Rotation & -90º~-40º Tilting Range
Variable Speed of Max. 120º /sec Pan and Max. 60º/sec Tilt

MULTI PROTOCOL — Support Multi Protocol and Baud rate

RS-485 RS-422 Communication — Remote Camera & Driver Firmware Upgrade via RS-485/422 Communication

COAXITRON — Support Coaxitron

FAN/HEATER & WIPER — Built-in Wiper
Fan & Defrost Heater
Automatic Temperature control circuit

-40°C +60°C — IP66 Rating
-40ºC~60ºC of Operating Temperture

Slip-Ring — Separate Slip-Ring for Tilting Mechanisem
Pass I Million times of durability test

Illuminator — Optional High-Sensitivity IR LED Illuminator
Various Bracket

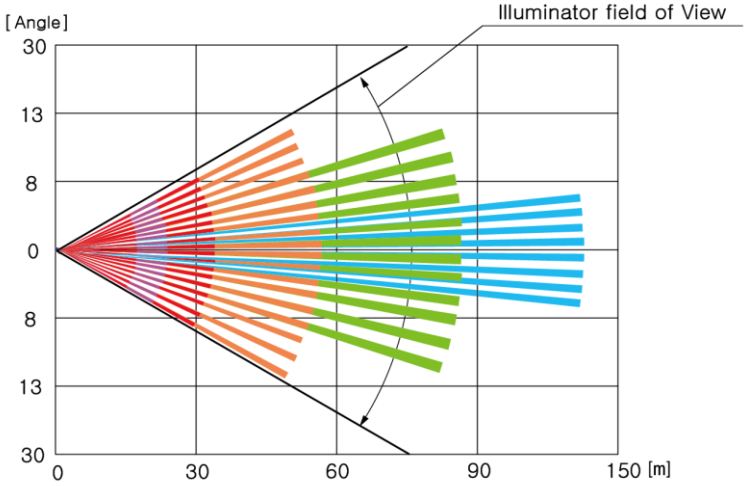
KEY FEATURE

IR ILLUMINATOR SPECIFICATION

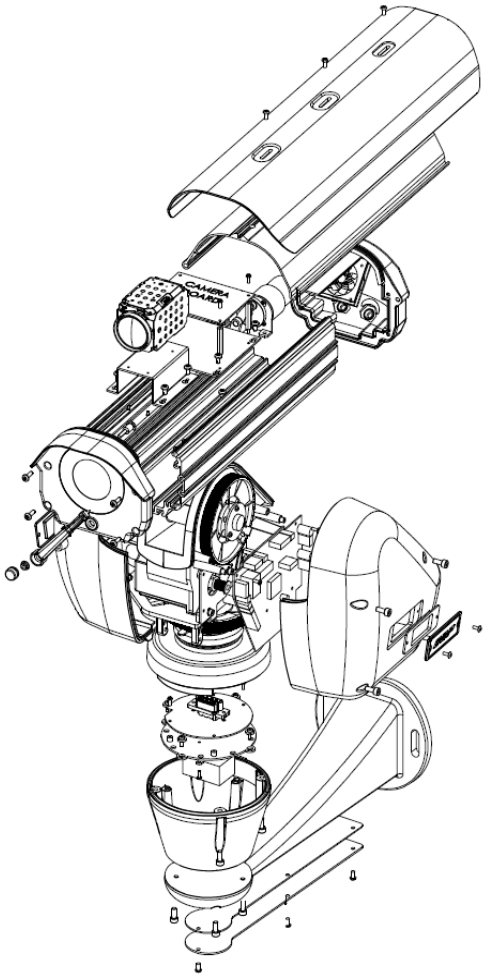
Model	GL-15	GL-25	GL-60
GENERAL			
Beam Angle	15º	25º	60º
View Range	Up to 130m at 0.0Lux (1Unit)	Up to 80m at 0.0Lux (1Unit)	Up to 50m at 0.0Lux (1Unit)
Wave Length	770nm		
Emitting Device	High Density Hybrid LED Seml-permanent		
Operating Temparature	- 30℃ ~ 60℃ (Indoor / Outdoor)		
Operating Humidity	90%RHh		
IP rating	IP66		
Power	DC12V 2.0A		
Weight	1.0 kg		
Dimension (UNIT:mm)	(W)111 x (L)153.5 x (D) 98.47		

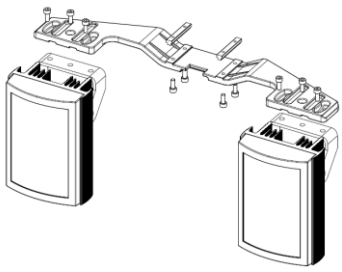
COVERABLE RANGE

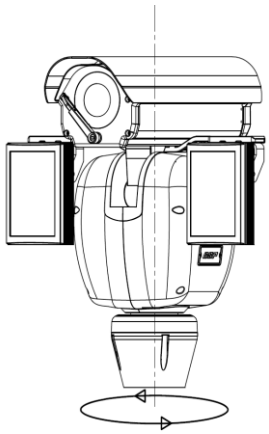
Application	Cofiguration	View Range
Far away objects, perimeter surveillance	GL-15 + GL-15	130m
Areas nearby, car parks, access control	GL-25 + GL-25	80m
	GL-60 + GL-60	50m
Mixed Solutions	GL-15 + GL-25	100m
	GL-15 + GL-60	100m
	GL-25 + GL-60	70m



PRODUCT DIAGRAM







GS-P37

Prodigy X37 Analog Camera

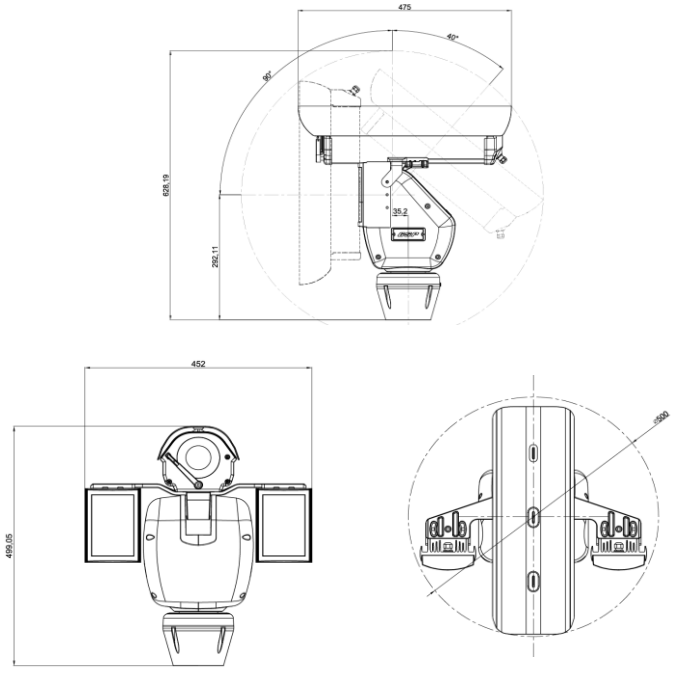
FEATURES

· Integrate Positioning System for Perfect Outdoor Surveillance
· 1/4" Interline Transfer CCD
· X37 Optical Zoom with Auto Focus (X16 Digital zoom)
· High Accuracy with Micro-Step Technology *0.003125° Preset Accuracy*
· Horizontal Resolution of 560TVL (Color) / 680TVL (B/W)
· Day&Night (Auto ICR)
· 3D-DNR (Digital Noise Reduction) / SDR (Super Dynamic Range)
· Sens-up *increase sensitivity of picture up to x128 in low illumination scene*
· Image Stabilizer *minimize appearance of shaky images caused by vibration*
· Privacy Masking *8 zones* / Motion Detection
· Independent Camera Setup for each Preset
· Power On Resume
· Support PELCO Coaxitron
· Propotional Pan / Tilt / Zoom Movement
· Firmware Updateable via RS-485 / RS-422
· ARPC *Auto Recognition of Position Compensation*
· Built-in Wiper
· Built-in Fan & Heater & Defrost Heater
· Built-in Power Surge/Lightning Protection / Automatic Temperature Control Circuit

OPTION

· GS-P37 : W WDR feature
· GS-P : w/o Zoom Module

DIMENSION(UNIT: mm)



SPECIFICATION

Model	GS-P37(P)	GS-P37(N)
GENERAL		
Signal System	PAL	NTSC
Image Sensor	1/4" Interline Transfer CCD	
Lens	X37 Optical Zoom with Auto Focus (X16 Digital zoom) F1.6~F3.9 (f=3.5~129.5mm)	
Angle of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
Total Pixel	470K	410K
Effective Pixel	(H)752 x (V)582	(H)768 x (V)494
Horizontal Resolution	560TVL (Color) / 680TVL (B/W)	
Scanning System	2:1 Interlace	
Scanning Frequency	(H)15.625KHz (V)50Hz	(H)15.734KHz (V)59.94Hz
S/N Ratio	More than 52dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Camera ID	1~255	
Communication	RS-485/422, Pelco Coaxitron & Multi Baud Rate	
Protocol	CyberScan Ⅰ/Ⅱ, Pelco-D/P, Samsung-T/E,Panasonic,AD,GE,Bosch,Vicon,Honeywell	
MECHANICAL		
Day&Night	Auto ICR	
Min. Illumination	Color: 0.7 Lux@F1.6 / B/W: 0.07Lux@F1.6 0.00004Lux@F1.6 (Sens-up X512)	
BLC	BLC / HSBLC / Off	
Auto Gain Control	Low / Medium / High / Manual / Off	
White Balance	AWC / Manual / Indoor / Outdoor / ATW	
Electronic Shutter	1/50~1/120,000, A.FLK	1/60~1/120,000, A.FLK
Sens-up	Off / Auto (X2~X128)	
Motion Detection	Off / On	
Digital Image Stabilizer	Off / On	
Digital Noise Reduction	3D-DNR / SNR	
Super Dynamic Range	Off / On	
Privacy Masking	Off / On (8 Zones)	
Alarm Input / Output	4 / 2	
Panning Range & Speed	0°~360°, Max 120°/sec	
Tilting Range & Speed	-90°~40°, Max 60°/sec	
Preset & Speed	319, Max 120°/sec	
Scan / Group / Pattern	8 / 8 / 4	
Power Source	AC24V / DC24~36V	
Power Consumption	25W(Heater Off), Max.100W(Heater On)	
Operating Temperature	-22°F~158°F (-40°C~60°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-58°F~176°F (-50°C~80°C)	
Fan&Heater	Built-in Fan / Heater / Defrost Heater	
IP Rating	IP 66	
Color	Ivory	
Weight	9.5kg	
Dimension(mm)	(W)217x(H)459x(D)475	
Material	Aluminum, ABS	

KEY FEATURE

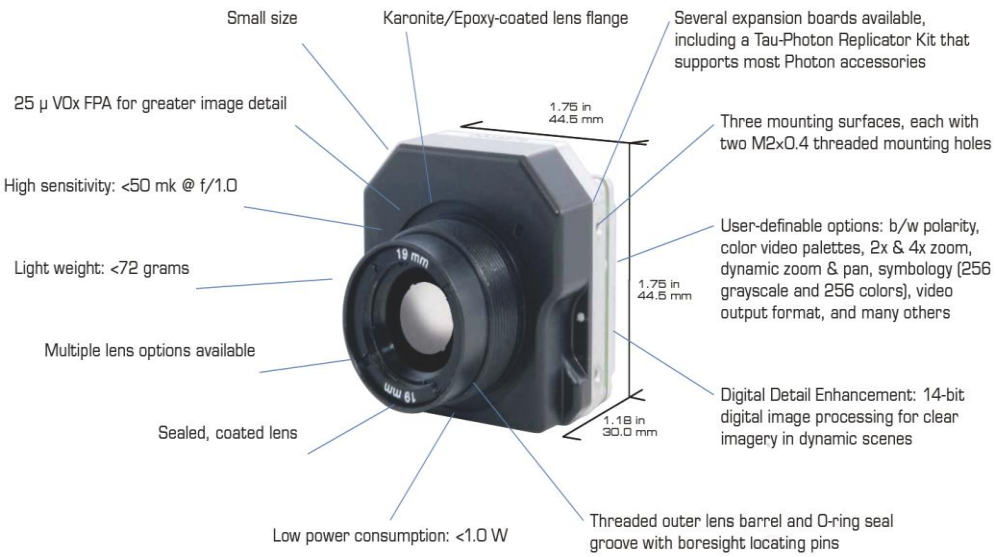
Low Cost, High Value IR Camera Core.

A fusion of small size, light weight, miniscule power consumption, and outstanding imaging performance makes Tau the ideal thermal camera core for many demanding applications.

From handheld thermal imagers to unmanned vehicle payload cameras, from firefighting instruments to thermal sights, Tau is the best choice for applications that demand a unique combination of light weight, small size, and low power

Actual Size

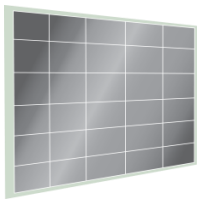
HIGH RESOLUTION QUALITY


Small size
Karonite/Epoxy-coated lens flange
Several expansion boards available, including a Tau-Photon Replicator Kit that supports most Photon accessories
25 µ VOx FPA for greater image detail
1.75 in 44.5 mm
Three mounting surfaces, each with two M2x0.4 threaded mounting holes
High sensitivity: <50 mk @ f/1.0
User-definable options: b/w polarity, color video palettes, 2x & 4x zoom, dynamic zoom & pan, symbology (256 grayscale and 256 colors), video output format, and many others
Light weight: <72 grams
19 mm
1.75 in 44.5 mm
Multiple lens options available
Digital Detail Enhancement: 14-bit digital image processing for clear imagery in dynamic scenes
Sealed, coated lens
1.18 in 30.0 mm
Low power consumption: <1.0 W
Threaded outer lens barrel and O-ring seal groove with boresight locating pins

Intruder placing a suspected explosive device under a fuel truck.

IR Image through thick smoke

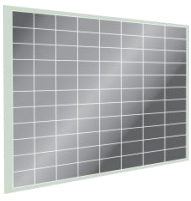
UNCOOLED THERMAL CAMERA



Mid Format Detectors

320 x 240 Pixels

Having only 76,800 pixels to capture information about the scene.



Large Format Detectors

640 x 480 Pixels

Having 307,200 pixels to capture information about the scene.

HIGHER PERFORMANCE

Without DDE

With DDE

A digital, thermal image has more information in it than is obvious to the “naked” eye. The detector can sense differences to 0.03°C

Digital image processing allows us to apply dynamic, regional contrast settings to enhance human visual interpretation of events.

GS-P64T/32T

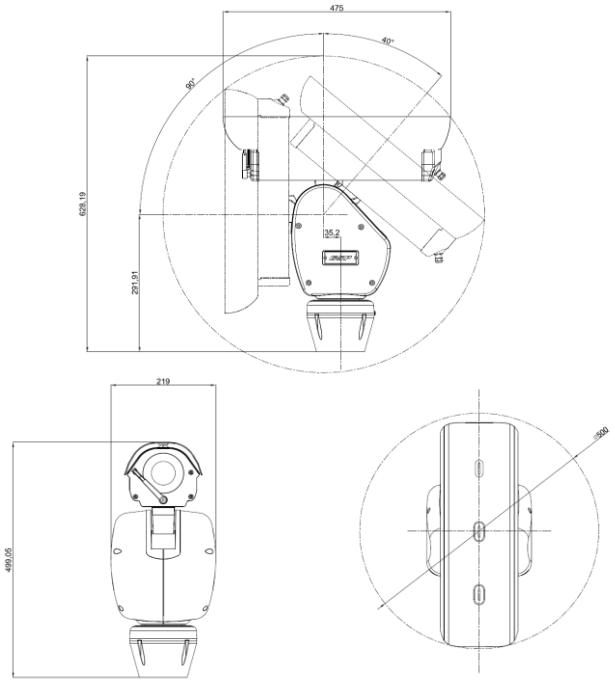
Prodigy Thermal Camera - FLIR Tau 640/320

Tau 640™
Tau 320™

FEATURES

- 25-Micron /17-㎛ Pixel Size
- Reduced time constant
- Lightweight – the four WFOV Tau models weight less than 3 ounces
- CMOS and BT.656 digital video options
- Legacy Photon serial LVDS
- Optional SDK offers access to Tau's complete feature set
- Relative temperature measurement (WFOV lenses only)
- On-board image capture and storage
- Discrete camera control functions available to OEMs
- Nine lens options available (4 WFOV; 5 NFOV)
- Threaded WFOV lens barrel for external mounting attachment options
- Multi Protocol & Baud Rate
- Built-in Wiper
- Firmware Updateable via RS-485 / RS-422
- ARPC *Auto Recognition of Position Compensation*

DIMENSION(UNIT: mm)



SPECIFICATION

Model	GS-P64T	GS-P32T
GENERAL		
Signal System	PAL / NTSC Selectable	
Image Sensor	Uncooled VOx Microbolometer	
FPA Formats	640 × 480	324 × 256
Pixel Size	17-㎛	25-micron
Full Frame Rate	30 Hz (NTSC); 25 Hz (PAL)	
Exportable Frame Rates	7.5 Hz (NTSC); 8.3 Hz (PAL)	
Input Power	4.4 - 6.0 VDC	4.0 - 6.0 VDC
Power Dissipation	<1 W	
Sensitivity	<50 mk f/1.0 (w/FLIR's proprietary noise reduction)	
Time to Image, FFC Interval	<3.5 sec	<3.5 sec, <0.5 sec
Digital Detail Enhancement	Support	
INTERFACE		
CMOS (14-bit or 8-bit)	Y	
BT.656 (8-bit)	Y	
Legacy Photon LVDS	30 Hz, 14-bit or 8-bit	
Digital Zoom	x2 / x4 / x8	x2 / x4
Dynamic Range Switching	Support	
Color Palettes (LUTs)	Y	
Day&Night	Auto ICR	
Gamma Correction	Support	
External Sync	Y	
Discrete I/O Controls	Y	
Snapshot Frame Capture	Y	
MECHANICAL		
Panning Range & Speed	0°~360°, Max 120°/sec	
Tilting Range	-90°~40°, Max 60°/sec	
Preset & Speed	319, Max 120°/sec	
Scan / Group / Tour	8 / 8 / 4	
Power Source	AC24V / DC24~36V	
Power Consumption	25W(Heater Off), Max.100W(Heater On)	
Operating Temperature	-22°F~158°F (-40°C~60°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-58°F~176°F (-50°C~80°C)	
Fan&Heater	Built-in Fan / Heater / Defrost Heater	
IP Rating	IP 66	
Color	Ivory	
Weight	9.5kg	
Dimension(mm)	(W)217x(H)459x(D)475	
Material	Aluminum, ABS	

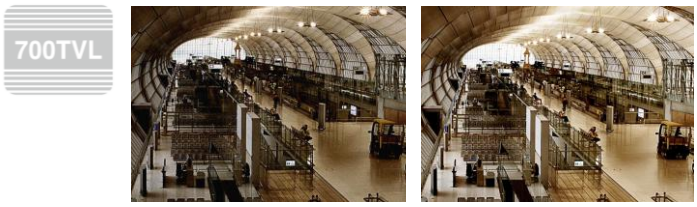
KEY FEATURE

GSP Cyber Scan Dome II Camera Series...

GSP Cyber Scan Dome II Camera Series follows the action in every environment, in every lighting condition, in every type of weather with Moving Camera Solutions.

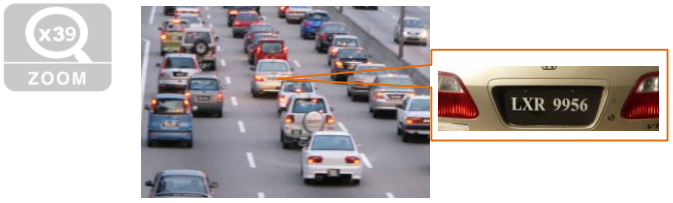
Powerful processing provides crucial details in challenging lighting conditions to maximize image usability. And, ruggedized housings strengethened with environmental and mechaniccal designs, ensure GSP moving cameras survive the elements for reliable performance.

HIGH RESOLUTION QUALITY



700TVL Lines indicate the maximum number of identifiable changes that can be produced along a single scan line from an analog TV.

DIGITAL ZOOM



Close monitoring is possible through the powerful X39 / X12 optical zoom.

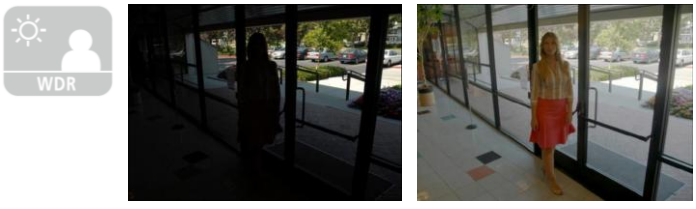
PANNING AND TILTING

The PTZ camera, it quickly and thoroughly monitors the preset areas by hight-speed panning and tilting functions.

3D-DIGITAL NOISE REDUCTION

3D-DNR refers to an image processing technology that removes noise from an image signal.

WDR (WIDE DYNAMIC RANGE)



WDR allows the dark portions of a bright image to be shown clearly, thus enhancing details and removing noise

PRIVACY ZONE MASKING

By setting the privacy zones, it is possible to prevent the violation of one`s privacy as you monitor the interior or ecterior of building.

GS-39/39EX

Analog X39 Indoor / Outdoor Speed Dome Camera

OPT: Wall Mount Bracket

FEATURES

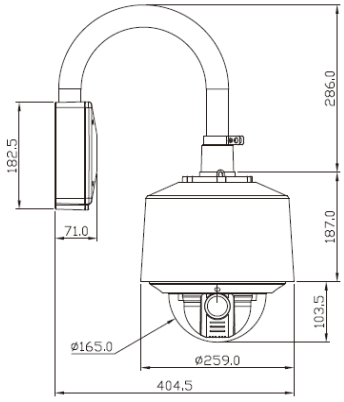
· 1/4" EX-View HAD CCD
· Built-in X39 Auto Focus Optical Zoom Lens (X12 Digital Zoom)
· Horizontal Resolution of 530TVL (Color) / 570TVL (B/W)
· WDR / Day&Night (Auto ICR)
· DNR (Digital Noise Reduction) *Adaptive 3D + 2D filter*
· High Accuracy with Micro-Step Technology *devided by 256 for one step angle*
· Extremely quiet and low vibration
· Adaptive Pan Tilt speed to Zoom ratio
· Independent Camera Setup *different camera setup with each preset view*
· Schedule Function *predefined movement based on Day and Time*
· Shortest Path by Vector Drive Technology
· On-Screen Display of Real time and Temperature, etc.
· Auto Flip, Auto Parking, Power-up Action
· Freeze in Preset Function
· Rugged Vandal Proof Design

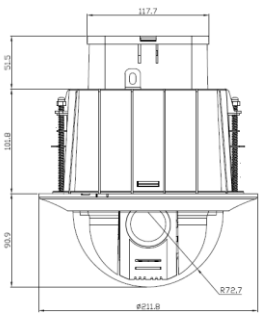
OPTION

■ **GS-33**

· Sony 1/4" Double Density Interline Transfer CCD
· Built-in X33 Auto Focus Optical Zoom Lens (X12 Digital Zoom)
· Horizontal Resolution of 550TVL (Color) / 680TVL (B/W)
· WDR / Day&Night (Auto ICR)
· DNR (Digital Noise Reduction)
· 127 Preset / 8 Scan / 8 Group / 4 Pattern / 7 Schedule

DIMENSION(UNIT: mm)





SPECIFICATION

Model	GS-39	GS-39EX
GENERAL		
Signal System	PAL / NTSC	
Image Sensor	1/4" EX-View HAD CCD	
Lens	X39 Optical Zoom with Auto Focus (X12 Digital zoom) F1.6 (f=3.4~132.6mm)	
Angle of View	H:57.8° (W) ~ 1.7°(T), V: 43.35° (W) ~ 1.2°(T)	
Total Pixel	440K(PAL) / 410K(NTSC)	
Effective Pixel	(H)752 x (V)582(PAL) / (H)768 x (V)494(NTSC)	
Horizontal Resolution	530TVL (Color) / 570TVL (B/W)	
Scanning System	Progressive Scan	
Scanning Frequency	(H)15.625KHz (V)50Hz(PAL) / (H)15.734KHz (V)59.94Hz(NTSC)	
S/N Ratio	More than 50dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Camera ID	1~999	
Communication	RS-485	
Protocol	CyberScan Ⅰ/Ⅱ, Pelco-D/P, Samsung	
MECHANICAL		
Day&Night	Auto ICR	
Min. Illumination	Color: 1.2 Lux@F1.6(50 IRE) B/W: 0.12Lux@F1.6(50 IRE)	
WDR & BLC	WDR / BLC / Off / On	
Auto Gain Control	Auto / Manual(0~40dB)	
White Balance	ATW/INDOOR/OUTDOOR/MWB/AWC	
Electronic Shutter	X64~X2, 1/50~1/10,000(PAL) / X64~X2, 1/60~1/10,000(NTSC)	
Digital Noise Reduction	Adaptive 3D + 2D filter: Low / Middle / High / Off	
Privacy Masking	Off/On (8 Zones)	
Alarm Input / Output	8 / 4	
Panning Range & Speed	0°~360°, 0.05°~200°/sec	
Tilting Range	180°(Auto-Flip on), 90°(Auto-Flip Off)	
Preset & Speed	127 presets with Independent Camera Setup, 360°/sec	
Auto Scan & Speed	8 Scan, 1°~180°/sec	
Group	8 Group(Max. 20 Enters for Each Group)	
Pattern	4 Pattern	
Schedule	7 Rule (Condition: Day Time / Action: Preset, Scan, Group, Pattern)	
Power Source	AC24V	
Power Consumption	24W(Heater off), 55W(Heater on)	
Operating Temperature	32°F~122°F (0°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-4°F~140°F (-20°C~60°C)	
Fan&Heater	N/A	Support
IP Rating	N/A	IP 66
Color	Ivory	
Weight	4kg	6kg
Dimension(mm)	(W)200 x (H)184	(W)259 x (H)552
Material	Polycarbonate, Aluminum	

GS-10/10EXFH

Analog X10 Indoor / Outdoor Speed Dome Camera

FEATURES

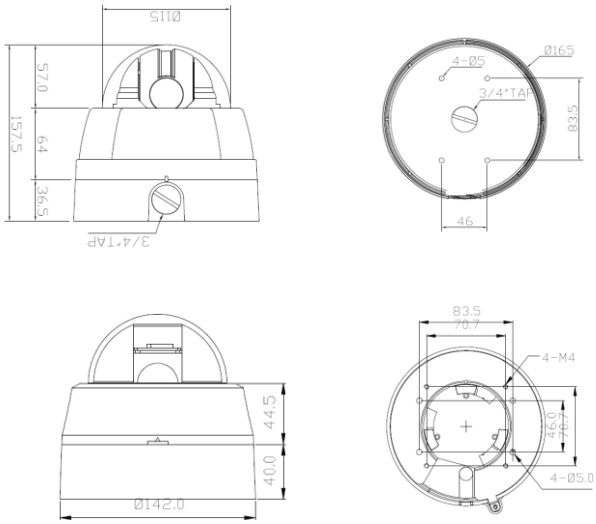
- Sony 1/4" Interline Transfer CCD
- Built-in X10 Auto Focus Optical Zoom Lens (X10 Digital Zoom)
- Horizontal Resolution of 500TVL (Color) / 570TVL (B/W)
- Day&Night (Auto ICR)
- DNR (Digital Noise Reduction)
- High Accuracy with Micro-Step Technology *devided by 256 for one step angle*
- Extremely quiet and low vibration
- Adaptive Pan Tilt speed to Zoom ratio
- Independent Camera Setup *different camera setup with each preset view*
- Schedule Function *predefined movement based on Day and Time*
- Shortest Path by Vector Drive Technology
- On-Screen Display of Real time and Temperature Etc.
- Auto Flip, Auto Parking, Power-up Action
- Freeze in Preset Function
- Rugged Vandal Proof Design

OPTION

■ **GS-10EX:** w/o Fan&Heater

■ **GMB-610W:** Wall Mount Bracket
■ **GMB-610C:** Ceiling Mount Bracket
■ **GMB-600P:** Pole Mount Bracket **/ GMB-600C:** Corner Mount Bracket

DIMENSION(UNIT: mm)



SPECIFICATION

Model	GS-10	GS-10EXFH
GENERAL		
Signal System	PAL / NTSC	
Image Sensor	Sony 1/4" Interline Transfer CCD	
Lens	X10 Optical Zoom with Auto Focus (X10 Digital zoom) F1.8 (f=3.8~38mm)	
Angle of View	H:57.8° (W) ~ 1.7°(T), V: 43.35° (W) ~ 1.27°(T)	
Total Pixel	440K(PAL) / 410K(NTSC)	
Effective Pixel	(H)752 x (V)582(PAL) / (H)768 x (V)494(NTSC)	
Horizontal Resolution	500TVL (Color) / 570TVL (B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Scanning Frequency	(H)15.625KHz (V)50Hz(PAL) / (H)15.734KHz (V)59.94Hz(NTSC)	
S/N Ratio	More than 50dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Camera ID	1~999	
Communication	RS-485	
Protocol	CyberScan Ⅰ/Ⅱ, Pelco-D/P, Samsung	
MECHANICAL		
Day&Night	Auto ICR	
Min. Illumination	Color: 0.7 Lux (50 IRE) / BW: 0.02 Lux (50 IRE) 0.005Lux@F1.8 (Color Sens-up)	
BLC	Low / Middle / High / Off	
Auto Gain Control	Normal / High / Off	
White Balance	Auto / Manual	
Electronic Shutter	X128~X2, 1/50~1/120,000(PAL) / X128~X2, 1/60~1/120,000(NTSC)	
Digital Noise Reduction	Low / Middle / High / Off	
Privacy Masking	Off / On (4 Zones)	
Alarm Input / Output	2 / 1	
Panning Range & Speed	0°~360°, 0.05°~360°/sec	
Tilting Range	180°(Auto-Flip on), 90°(Auto-Flip Off)	
Preset & Speed	127 presets with Independent Camera Setup, 360°/sec	
Auto Scan & Speed	8 Scan, 1°~180°/sec	
Group	8 Group(Max. 20 Enters for Each Group)	
Pattern	4 Pattern	
Schedule	7 Rule (Condition: Day Time / Action: Preset, Scan, Group, Pattern)	
Power Source	DC12V	
Power Consumption	12W (wo/Fan&Heater : 8W)	
Operating Temperature	32°F~122°F (0°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-4°F~140°F (-20°C~60°C)	
Fan&Heater	Support (OPT : wo/Fan&Heater)	
IP Rating	IP 66	
Color	Ivory	
Weight	2.5kg	
Dimension(mm)	Ø100.5 / Ø142x101.5	Ø115 / Ø165x101.5
Material	Polycarbonate, Aluminum	

GSC-4000J

System Controller

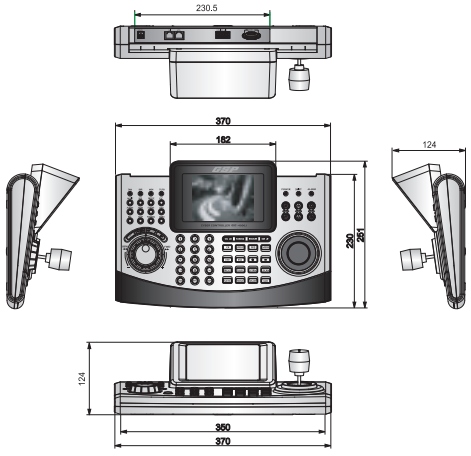
FEATURES

- Simple and Easy Installation
- Camera / DVR / Monitor Control
- 3-Axis Joy Stick & Jog Shuttle
- RS-485/422/232 Communicaton
- Multi-Protocol Support *CyberScan Ⅰ/Ⅱ, Pelco-D/P*
- Easy Extension up to 6 Slave Controller

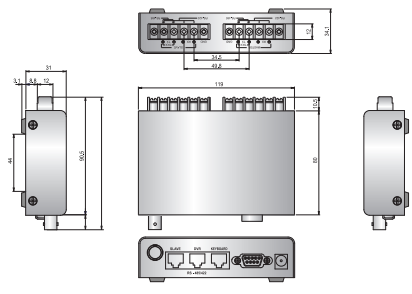
SPECIFICATION

Model		GSC-4000J
Control	Camera	999
	DVR	255
	Monitor	120
Screen		5" TFT LCD Monitor
Joy Stick		Built-in
Jog Shuttle		Built-in
Multi Protocol		CyberScan Ⅰ/Ⅱ, Pelco-D/P
Connection		RJ-45 or Direct Connection
Communication		RS-485/422/232
Communication Speed		9600bps(STD)/38400/4800/2400 Selectable
Operating Distance		1.2 Km
Power Source		DC12V
Power Consumption		1A±10%
Operating Temperature		32˚F~122˚F (0˚C~50˚C)
Operating Humidity		Up to 90% RH
Weight		1.6kg
Dimension(mm)		(W)370 X (H)124 X (D)251
Material		ABS

DIMENSION(UNIT: mm)



Junction Box (Standard Accessory)



NAME OF PARTS

❶ LED Indicator
❷ DVR Keypad
❸ DVR Playback
❹ Jog Shuttle
❺ CTRL Button
❻ Numeric Button
❼ Special Key
❽ Matrix Keypad
❾ PTZ Keypad
❿ Joy Stick
⓫ Controller Keypad
⓬ SHIFT Button
⓭ Zoom/Focus/IRIS
⓮ 5" TFT LCD
⓯ Brand Logo

GSC-3000J

System Controller

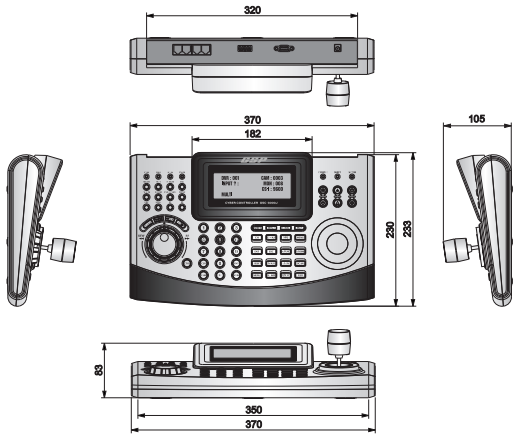
FEATURES

- Simple and Easy Installation
- Camera / DVR / Monitor Control
- 3-Axis Joy Stick & Jog Shuttle
- RS-485/422/232 Communicaton
- Multi-Protocol Support *CyberScan Ⅰ/Ⅱ, Pelco-D/P*
- Easy Extension up to 6 Slave Controller

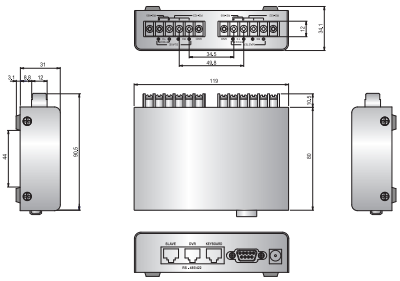
SPECIFICATION

Model		GSC-3000J
Control	Camera	999
	DVR	255
	Monitor	120
Screen		4 Line LCD
Joy Stick		Built-in
Jog Shuttle		Built-in
Multi Protocol		CyberScan Ⅰ/Ⅱ, Pelco-D/P
Connection		RJ-45 or Direct Connection
Communication		RS-485/422/232
Communication Speed		9600bps(STD)/38400/4800/2400 Selectable
Operating Distance		1.2 Km
Power Source		DC12V
Power Consumption		500mA±10%
Operating Temperature		32˚F~122˚F (0˚C~50˚C)
Operating Humidity		Up to 90% RH
Weight		1.5kg
Dimension(mm)		(W)370 X (H)105 X (D)233
Material		ABS

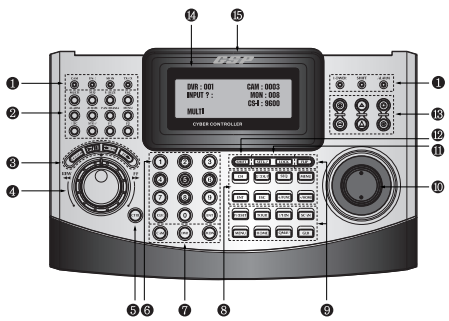
DIMENSION(UNIT: mm)



Junction Box (Standard Accessory)



NAME OF PARTS



❶ LED Indicator
❷ DVR Keypad
❸ DVR Playback
❹ Jog Shuttle
❺ CTRL Button
❻ Numeric Button
❼ Special Key
❽ Matrix Keypad
❾ PTZ Keypad
❿ Joy Stick
⓫ Controller Keypad
⓬ SHIFT Button
⓭ Zoom/Focus/IRIS
⓮ 4 Line LCD
⓯ Brand Logo

GMAX-7320

32CH Video Matrix System

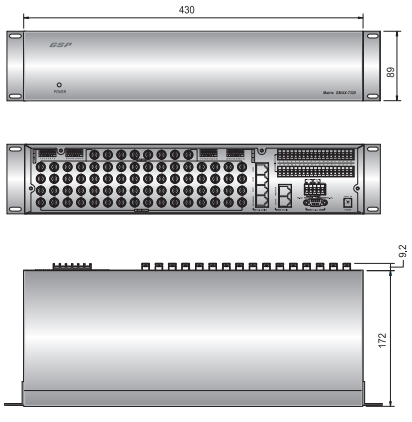
FEATURES

- Direct Connection with System Controller/DVR
- Easy Extension using RJ-45 Cable
- RS-485/422 PTZ Connection
- Equal Video Strength for All Outputs
- WDT (Watchdog Timer Reset) *Auto Reset when Power source is unstable*
- BOD (Brown-out Detector) *Auto Reset when Matrix is operating abnormally*
- Color and B&W Compatible
- NTSC or PAL Selectable

SPECIFICATION

Model	GMAX-7320
Video Input	32 CH (Composite Video 1.0Vp-p)
Video Loop Out	32 CH (Composite Video 1.0Vp-p)
Monitor Out	8
Alarm Input	32
Impedance	75ohm, Input and Output
Bandwidth	40 MHz
S/N Ratio	-60dB RMS typical
Crosstalk	-80dB typical
Gain(Into a 75ohm load)	2
Differential Gain	0.5% typical
Differential Phase	0.5 degree typical
Power Source	DC12V
Power Consumption	3A
Operating Temperature	32˚F~122˚F (0˚C~50˚C)
Operating Humidity	Up to 90% RH
Weight	3.6kg
Dimension(mm)	(W)430 X (H)89 X (D)181.2
Material	Steel

DIMENSION(UNIT: mm)



GCD-800

Command Distributor

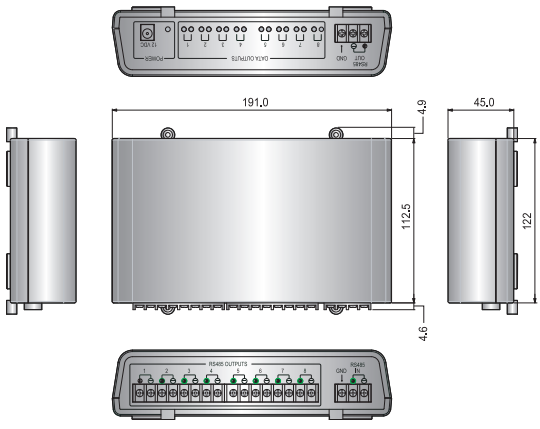
FEATURES

- Distribute RS-485 Data Signal
- 1 Input x 8 Outputs
- Each Output Port drives up to 32 Devices
- LED Indicator for Power, Output and Error Detection
- Bidirectional Communication

SPECIFICATION

Model	GCD-800
Data Input Port	1, 3-Position Screw-Terminal
Data Output Port	1, 3-Position Screw-Terminal
Drive Lines	8, 2-Position Screw-Terminal
Communication	RS-485
Indicator	1, Power LED (Red)
	8, Data LED (Operation: Green)
	8, Status LED (Line Error: Red)
Power Source	DC12V
Power Consumption	1A
Color	Black
Weight	400g
Dimension(mm)	(W)191 X (H)45X (D)122
Material	ABS, Steel

DIMENSION(UNIT: mm)

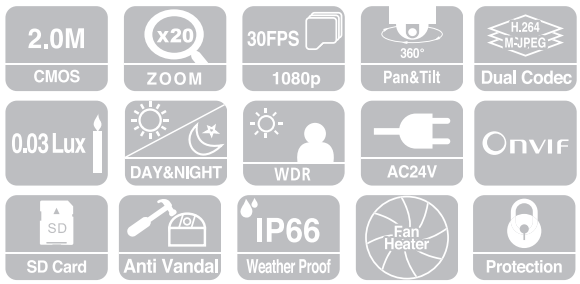


IP Mega Pixel Camera

- X20 / X10 PTZ
- X10 Motorized Zoom Box
- Full Body / 3-AXIS Dome

GM-20EX

Network 2.0 Mega Pixel X20 Outdoor Speed Dome Camera



OPT: Wall Mount Bracket

SPECIFICATION

NETWORK		
OS		Embedded Linux
Video Compression		Dual Codec(H.264 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		All Codec : 1080p/720p/D1/CIF, MJPEG : QCIF
Frame Rate		25/30FPS at 1080p
Audio Compression		2-Way, G.711 PCM
Audio Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Sensor Input / Output		2 / 1
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS,DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL), Digest Authentication (ID/PW)
	ONVIF	Support
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser

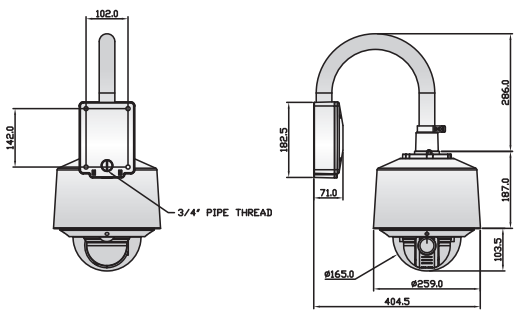
Model	GM-20EX
GENERAL	
Image Sensor	Sony 1/3" 2 Megapixel CMOS
Lens	X20 Optical Zoom with Auto Focus (X10 Digital zoom)
	F1.6~3.5 (f=4.7~94.0mm)
Angle of View	54.1° (W) ~2.9 ° (T)
Effective Pixel	Approx. 2 Mega pixels
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω
Video Output Conector	BNC
Power Input Connector	Terminal Block
MECHANICAL	
Day&Night	Auto ICR
Min. Illumination	Color : 1.7 lux@50IRE, F1.6, B/W : 0.3 lux@50IRE, F1.6
WDR	Auto / Manual
Auto Gain Control	Auto / Manual
White Balance	Auto / Manual /Indoor/Outdoor/One-push Mode
Electronic Shutter	1/2~1/10,000
Panning Range & Speed	0°~360°, 0.05°~360°/sec
Tilting Range & Speed	0°~180°, 0.05°~360°/sec
Preset & Speed	1024 presets with Independent Camera Setup, 360°/sec
Auto Scan & Speed	128 Scan, 1°~180°/sec
Group	128 Group(Max. 20 Enters for Each Group)
Pattern	128 Pattern
PoE	N/A
Power Source	AC24V
Power Consumption	24W(Heater off), 55W(Heater on)
Operating Temperature	32°F~122°F (0°C~50°C)
Operating Humidity	Up to 90% RH
Storage Temperature	-4°F~140°F (-20°C~60°C)
Fan&Heater	Support
IP Rating	IP 66
Color	Ivory
Weight	6kg
Dimension(mm)	(W)259 x (H)290.5
Material	Polycarbonate, Aluminum

OPTION

GMB-620WJ
: Wall Mount Bracket w/Junction Box

GMB-620CJ
: Ceiling Mount Bracket w/Junction Box

DIMENSION(UNIT: mm)



GM-10EXFH/10

Network 2.0 Mega Pixel X10 Outdoor / Indoor Speed Dome Camera

GM-10EXFH

GM-10

SPECIFICATION

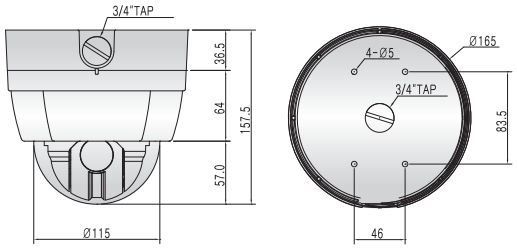
NETWORK		
OS		Embedded Linux
Video Compression		Triple Codec(H.264 / MPEG-4 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		All Codec : 1080i/720p/D1/CIF, MJPEG : QCIF
Frame Rate		Max.15FPS at 1080i / Max.30FPS at 720P/D1/CIF/QCIF
Audio Compression		2-Way, G.711 PCM
Audio Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Sensor Input / Output		2 / 1
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS,DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL), Digest Authentication (ID/PW)
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser
Motion Tracking		Hardware based object Tracking & Intelligent Tracking Algorithm
Auto Map		Auto Scenery map for quick PTZ movement

Model	GM-10EXFH	GM-10
GENERAL		
Image Sensor	Sony 1/3" 2 Megapixel CMOS	
Lens	X10 Optical Zoom with Auto Focus (X10 Digital zoom)	
	F1.8~2.1 (f=5.1~51.0mm)	
Angle of View	50°(W) ~5.4°(T)	
Effective Pixel	Approx. 2 Mega pixels	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Conector	BNC	
Power Input Connector	Terminal Block	
MECHANICAL		
Day&Night	Auto ICR	
Min. Illumination	Color: 12.0 lux@50IRE, F1.8 B/W: 1.0 lux@50IRE, F1.8	
Auto Gain Control	Auto / Manual	
White Balance	Auto / Manual /Indoor/Outdoor/One-push Mode	
Electronic Shutter	1/2~1/10,000	
Panning Range & Speed	0°~360°, 0.05°~360°/sec	
Tilting Range & Speed	0°~180°, 0.05°~360°/sec	
Preset & Speed	1024 presets with Independent Camera Setup, 360°/sec	
Auto Scan & Speed	128 Scan, 1°~180°/sec	
Group	128 Group(Max. 20 Enters for Each Group)	
Pattern	128 Pattern	
PoE	N/A	
Power Source	DC12V/AC24V	
Power Consumption	12W (wo/Fan&Heater : 8W)	
Operating Temperature	32°F~122°F (0°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-4°F~140°F (-20°C~60°C)	
Fan&Heater	Support (OPT : wo/Fan&Heater)	N/A
IP Rating	IP 66	N/A
Color	Ivory	
Weight	2.5kg	2kg
Dimension(mm)	(W)200 x (H)184	(W)165 x (H)157.5
Material	Polycarbonate, Aluminum	

OPTION

- GM-10EX : wo/Fan&Heater
- GMB-610WJ : Wall Mount Bracket
- GMB-610CJ : Ceiling Mount Bracket

DIMENSION(UNIT: mm)



GM-FB20M

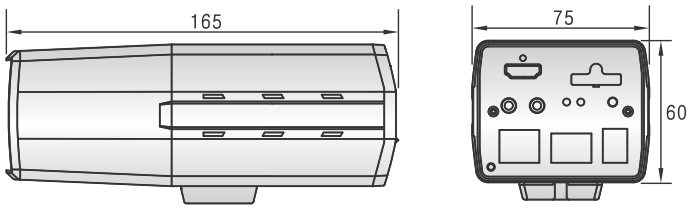
Network 2.0 Mega Pixel Motorized Zoom Box Camera

SPECIFICATION

NETWORK		
OS		Embedded Linux
Video Compression		Triple Codec(H.264 / MPEG-4 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		All Codec : 1080i/720p/D1/CIF, MJPEG : QCIF
Frame Rate		Max.15FPS at 1080i / Max.30FPS at 720P/D1/CIF/QCIF
Audio Compression		2-Way, G.711 PCM
Audio Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Sensor Input / Output		2 / 1
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS,DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL), Digest Authentication (ID/PW)
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser

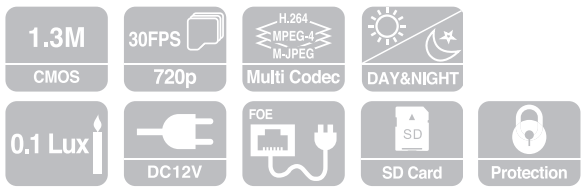
Model	GM-FB20M
GENERAL	
Image Sensor	Sony 1/3" 2 Megapixel CMOS
Lens	X10 Optical Zoom with Auto Focus (X12 Digital zoom) F1.8~2.1 (f=5.1~51.0mm)
Angle of View	50° (W) ~5.4° (T)
Effective Pixel	Approx. 2 Mega pixels
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω
Video Output Conector	BNC
Power Input Connector	Terminal Block
MECHANICAL	
Day&Night	Auto ICR
Min. Illumination	Color: 12.0Lux@50IRE, F1.8, B/W: 1.0Lux@50IRE, F1.8
BLC	ON / OFF
Auto Gain Control	Normal / High
White Balance	Auto / Manual / Indoor / Outdoor / One-push Mode
Electronic Shutter	1/2~1/10,000
PoE	IEEE 802.3af *Option*
Power Source	DC12V
Power Consumption	1.3A±10%
Operating Temperature	14°F~122°F (-10°C~50°C)
Operating Humidity	Up to 90% RH
Storage Temperature	-22°F~140°F (-30°C~60°C)
Color	Gray
Weight	600g
Dimension(mm)	(W)75 X (H)60 X (D)165
Material	Aluminum

DIMENSION(UNIT: mm)



GM-FB13

Network 1.3 Mega Pixel Full Body Camera



SPECIFICATION

NETWORK		
OS		Embedded Linux
Video Compression		Triple Codec(H.264 / MPEG-4 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		All Codec : 720p/D1/CIF, MJPEG : QCIF
Frame Rate		30 / 25FPS at 720P/D1/CIF/QCIF
Audio Compression		2-Way, G.711 PCM
Audio Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Sensor Input / Output		1 / 1
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS,DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL), Digest Authentication (ID/PW)
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser

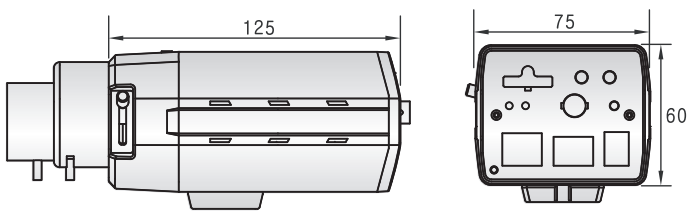
Model	GM-FB13
GENERAL	
Image Sensor	Sony 1/3" 1.3 Megapixel CMOS
Lens	C/CS Mountable
Total Pixel	1384(H) x 1076(V)
Horizontal Resolution	650TVL
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω
Video Output Conector	BNC
Power Input Connector	Terminal Block
MECHANICAL	
Day&Night	Auto ICR
Min. Illumination	Color : 4.7Lux @ F1.6, 30IRE / B/W : 0.1Lux @ F1.6, 30IRE
BLC	ON / OFF
Auto Gain Control	Normal / High
White Balance	Auto
Electronic Shutter	1/30~1/10,000
Communication	RS-485
PoE	IEEE 802.3af *Option*
Power Source	DC12V
Power Consumption	1.3A±10%
Operating Temperature	14°F~122°F (-10°C~50°C)
Operating Humidity	Up to 90% RH
Storage Temperature	-22°F~140°F (-30°C~60°C)
Color	Grayish Ivory
Weight	450g
Dimension(mm)	(W)75 X (H)60 X (D)125
Material	Aluminum

OPTION

Housing / Mounting Bracket
- GMB-100EX : Outdoor Housing
- GMB-100EXFH : Outdoor Housing w/Fan&Heater
- GMB-100W : Wall Mount Bracket
- GMB-100C : J-type Ceiling Mount Bracket

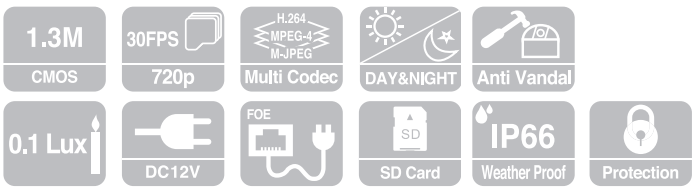
CS Mount Lens
- 2.8-8mm(X2.8)
- 2.8-12mm(X4.3)
- 15-50mm(X3.3)
- 5-50mm(X10)

DIMENSION(UNIT: mm)



GM-VD13

Network 1.3 Mega Pixel 3-AXIS Vandal Dome Camera

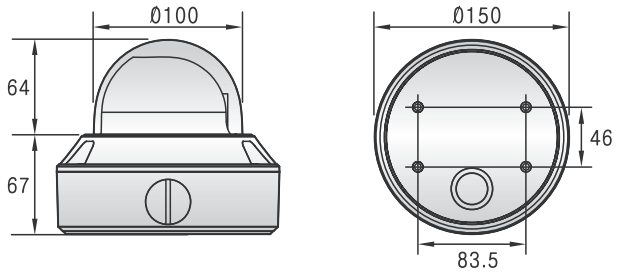


SPECIFICATION

NETWORK		
OS		Embedded Linux
Video Compression		Triple Codec(H.264 / MPEG-4 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		All Codec : 720p/D1/CIF, MJPEG : QCIF
Frame Rate		30 / 25FPS at 720P/D1/CIF/QCIF
Audio Compression		2-Way, G.711 PCM
Audio Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Sensor Input / Output		1 / 1
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS,DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL), Digest Authentication (ID/PW)
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser

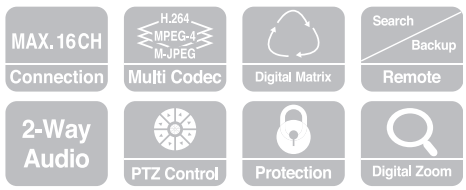
Model	GM-VD13
GENERAL	
Image Sensor	Sony 1/3" 1.3 Megapixel CMOS
Lens	2.8-10mm Vari-Focal Auto Iris Lens
Angle of View	94.6°(W) ~ 28.8°(T)
Total Pixel	1384(H) x 1076(V)
Horizontal Resolution	650TVL
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω
Video Output Conector	BNC
Power Input Connector	DC Jack
GENERAL	
Day&Night	Auto ICR
Min. Illumination	Color : 4.7Lux @ F1.6, 30IRE / B/W : 0.1Lux @ F1.6, 30IRE
BLC	ON / OFF
Auto Gain Control	Normal / High
White Balance	Auto
Electronic Shutter	1/30~1/10,000
PoE	IEEE 802.3af *Option*
Power Source	DC12V
Power Consumption	1.3A±10%
Operating Temperature	14°F~122°F (-10°C~50°C)
Operating Humidity	Up to 90% RH
Storage Temperature	-22°F~140°F (-30°C~60°C)
Color	White
Weight	1kg
Dimension(mm)	(W)150 X (H)131
Material	Aluminum, Polycarbonate

DIMENSION(UNIT: mm)



RMS

Remote Management Software



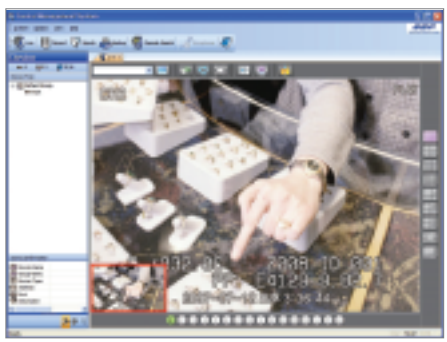
FEATURES

- Perfect Compatibility with GSP units
- Real-Time Streaming up to 4CH
- Powerful Live Monitoring, Record, Playback, Backup
- Support Multi Codec Compression : H.264, MPEG4, M-JPEG
- Digital Matrix
- E-mail Notification on Event
- 2 Way Audio
- Virtual PTZ Controller
- Multi Level User Authority
- Support AVI format
- Event Log with Quick Search Player *Option*
- E-Map *Option*
- Public Address *Option*
- Client & Server *Option*

SPECIFICATION

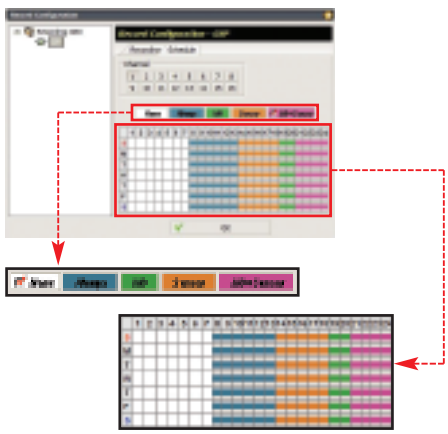
Model		RMS-M01	RMS-M04	RMS-M09	RMS-M16
Live	Monitoring	1CH	4CH	9CH	16CH
	PTZ Control	Virtual / Joystick Controller			
	2 Way Audio	Support			
	Sequence	Channel / Group			
	Digital Zoom	Support			
	Capture / Print	Support			
Record	Configuration	Programmable Recording Channel			
	Schedule	Always, Motion Detection, Sensor			
Playback	Search	Time, Calender			
	Speed	X0.5 / X1 / X2 / X4 / MAX			
Backup	Local	Support			
	Remote	Support			
	Configuration	Support Clip-Copy			
Log Search	System Log	Support			
	Event Log	Option	Option	Option	Option
E-Map		Option	Option	Option	Option
Public Address		Option	Option	Option	Option
Client & Server		Option	Option	Option	Option

LIVE MONITORING



- Real-Time Streaming up to 4CH
- Support H.264 / MPEG-4 / MJPEG
- Digital Zoom In/Out
- Digital Matrix
- 2-Way Audio
- Virtual PTZ Controller

RECORD



- Mode: Always / Motion Detection / Sensor
- Schedule Record setup for each Channel
- Record to the designated drive and HDD allocations

PLAYBACK

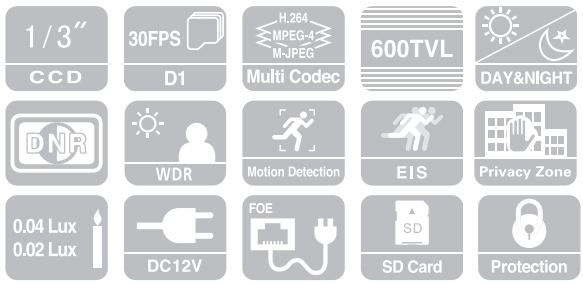
- Mode: Single / Multi channel Playback
- Calener / Time Search
- Screen Capture / Printing

IP Video Networks

- Full Body & 3-AXIS Dome Camera
- X36 / X10 PTZ Camera
- Encoder

GC-IPFB60WD/60D

Network CCD Full Body Camera



SPECIFICATION

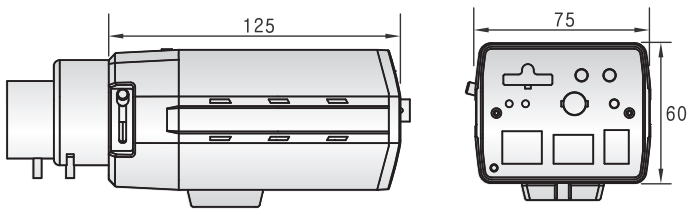
NETWORK		
OS		Embedded Linux
Video Compression		Triple Codec(H.264 / MPEG-4 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		D1/CIF/ QCIF
Frame Rate		30 / 25FPS at 720P/D1/CIF/QCIF
Audio Compression		2-Way, G.711 PCM
Audio Input / Output		1 / 1
Sensor Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Sensor Input / Output		1 / 1
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS,DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL), Digest Authentication (ID/PW)
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser

OPTION

- GMB-100EX : Housing / GMB-100EX : Housing w/Fan&Heater
- GMB-100W : Wall Mount Bracket / GMB-100C : Ceiling Mount Bracket
- CS Mount Lens

· 2.8-8mm(X2.8) · 2.7-13.5mm(X5) · 5-50mm(X10)

DIMENSION(UNIT: mm)



Model	GC-IPFB60WD	GC-IPFB60D
GENERAL		
Signal System	PAL or NTSC	
Image Sensor	1/3" Sony Double Scan CCD	1/3" Sony Super HAD II CCD
Lens	C/CS Mountable	
Total Pixel	470K [PAL] / 410K [NTSC]	
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]	
Horizontal Resolution	560TVL(Color), 600TVL(B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 52dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Conector	BNC	
Communication	RS-485 *Pelco-D/P*	
Power Input Connector	Terminal Block	
MECHANICAL		
WDR	Support	N/A
Day&Night	Auto ICR	
Min. Illumination	Color: 0.4 Lux@F1.2 B/W:0.04Lux@F1.2	Color: 0.2Lux@F1.2 B/W:0.02Lux@F1.2
BLC	OFF/ON	
Auto Gain Control	OFF/ON	
White Balance	ATW/AWC/MANUAL	
Electronic Shutter	1/50(60)~1/120,000	
Image Stabilizer	OFF/ON	
Motion Detection	OFF/ON (4 Zones)	
3D-DNR	OFF/ON (Adaptive 3D+2D)	
Privacy Masking	OFF/ON (8 Zones)	
Digital Zoom	OFF/ON (X1.1~X8.0)	
PIP	Support	
PoE	IEEE 802.3af *Option*	
Power Source	DC12V	
Power Consumption	5.5W	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
Color	Gray	
Weight	450g	
Dimension(mm)	(W)75 X (H)60 X (D)125	
Material	Aluminum	

GC-IPVD60WDR/60DR

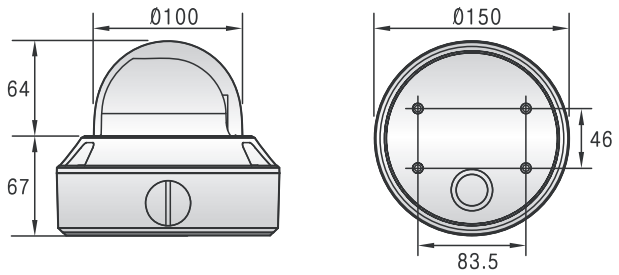
Network CCD 3-AXIS Vandal-Resistant IR Dome Camera

SPECIFICATION

NETWORK		
OS		Embedded Linux
Video Compression		Triple Codec(H.264 / MPEG-4 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		D1/CIF/ QCIF
Frame Rate		30 / 25FPS at 720P/D1/CIF/QCIF
Audio Compression		2-Way, G.711 PCM
Audio Input / Output		1 / 1
Sensor Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Sensor Input / Output		1 / 1
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS,DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL), Digest Authentication (ID/PW)
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser

Model	GC-IPVD60WDR	GC-IPVD60DR
GENERAL		
Signal System	PAL or NTSC	
Image Sensor	1/3" Sony Double Scan CCD	1/3" Sony Super HAD II CCD
Lens	2.8-12mm Vari-Focal Auto IRIS	3.3-12mm Vari-Focal Auto IRIS
Total Pixel	470K [PAL] / 410K [NTSC]	
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]	
Horizontal Resolution	560TVL(Color), 600TVL(B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 52dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Conector	BNC	
Communication	RS-485 *Pelco-D/P*	
Power Input Connector	DC Jack	
MECHANICAL		
WDR	Support	N/A
Day&Night	Auto ICR	
IR LED & Range	18pcs / Over 16m	
Min. Illumination	Color: 0.4 Lux@F1.2 B/W:0Lux(IR LED On)	Color: 0.2Lux@F1.2 B/W:0Lux(IR LED On)
BLC	OFF/ON	
Auto Gain Control	OFF/ON	
White Balance	ATW/AWC/MANUAL	
Electronic Shutter	1/50(60)~1/120,000	
Image Stabilizer	OFF/ON	
Motion Detection	OFF/ON (4 Zones)	
3D-DNR	OFF/ON (Adaptive 3D+2D)	
Privacy Masking	OFF/ON (8 Zones)	
Digital Zoom	OFF/ON (X1.1~X8.0)	
PIP	Support	
PoE	IEEE 802.3af *Option*	
Power Source	DC12V	
Power Consumption	7W	
Operating Temperature	14˚F~122˚F (-10˚C~50˚C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22˚F~140˚F (-30˚C~60˚C)	
IP Rating	IP 66	
Color	White	
Weight	1Kg	
Dimension(mm)	(W)150 X (H)131	
Material	Aluminum, Polycarbonate	

DIMENSION(UNIT: mm)



GC-IPVD60WD/60D

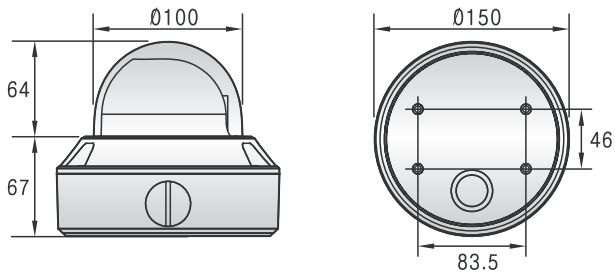
Network CCD 3-AXIS Vandal-Resistant Dome Camera

SPECIFICATION

NETWORK		
OS		Embedded Linux
Video Compression		Triple Codec(H.264 / MPEG-4 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		D1/CIF/ QCIF
Frame Rate		30 / 25FPS at 720P/D1/CIF/QCIF
Audio Compression		2-Way, G.711 PCM
Audio Input / Output		1 / 1
Sensor Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Sensor Input / Output		1 / 1
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS,DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL), Digest Authentication (ID/PW)
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser

Model	GC-IPVD60WD	GC-IPVD60D
GENERAL		
Signal System	PAL or NTSC	
Image Sensor	1/3" Sony Double Scan CCD	1/3" Sony Super HAD II CCD
Lens	2.8-12mm Vari-Focal Auto IRIS	
Total Pixel	470K [PAL] / 410K [NTSC]	
Effective Pixel	(H)752 X (V)582 [PAL] / (H)768 X (V)494 [NTSC]	
Horizontal Resolution	560TVL(Color), 600TVL(B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Sync. System	Internal	
Scanning Frequency	(H)15.625KHz (V)50Hz [PAL] / (H)15.734KHz (V)59.94Hz [NTSC]	
S/N Ratio	More than 52dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Conector	BNC	
Communication	RS-485 *Pelco-D/P*	
Power Input Connector	DC Jack	
MECHANICAL		
WDR	Support	N/A
Day&Night	Auto ICR	
Min. Illumination	Color: 0.4 Lux@F1.2 B/W:0.04Lux@F1.2	Color: 0.2Lux@F1.2 B/W:0.02Lux@F1.2
BLC	OFF/ON	
Auto Gain Control	OFF/ON	
White Balance	ATW/AWC/MANUAL	
Electronic Shutter	1/50(60)~1/120,000	
Image Stabilizer	OFF/ON	
Motion Detection	OFF/ON (4 Zones)	
3D-DNR	OFF/ON (Adaptive 3D+2D)	
Privacy Masking	OFF/ON (8 Zones)	
Digital Zoom	OFF/ON (X1.1~X8.0)	
PIP	Support	
PoE	IEEE 802.3af *Option*	
Power Source	DC12V	
Power Consumption	5.5W	
Operating Temperature	14°F~122°F (-10°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-22°F~140°F (-30°C~60°C)	
IP Rating	IP 66	
Color	White	
Weight	1Kg	
Dimension(mm)	(W)150 X (H)131	
Material	Aluminum, Polycarbonate	

DIMENSION(UNIT: mm)



GS-IP10EXFH

Network X10 Outdoor Speed Dome Camera

SPECIFICATION

NETWORK		
OS		Embedded Linux
Video Compression		Triple Codec(H.264 / MPEG-4 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		D1, CIF, QCIF
Frame Rate		25/30FPS at D1
Audio Compression		2-Way, G 711 PCM 16kHz
Audio Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL),Digest Authentication (ID/PW)
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser
Motion Tracking		Hardware based object Tracking & Intelligent Tracking Algorithm
Auto Map		Auto Scenery map for quick PTZ movement

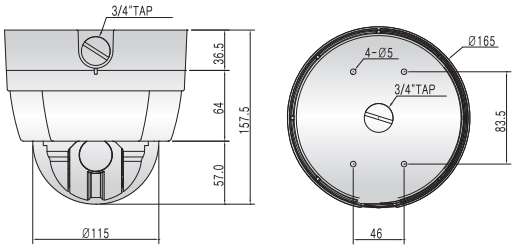
Model	GS-IP10EXFH(P)	GS-IP10EXFH(N)
GENERAL		
Signal System	PAL	NTSC
Image Sensor	Sony 1/4" Ex-View CCD	
Lens	X10 Optical Zoom with Auto Focus (X10 Digital zoom) F1.8(W) ~ 2.1(T), f = 3.8(W) ~ 38(T)mm	
Angle of View	H: 51.2° (W) ~ 5.58° (T), V: 39.3° (W)~4.27° (T)	
Total Pixel	440K	410K
Effective Pixel	(H)752 x (V)582	(H)768 x (V)494
Horizontal Resolution	500TVL (Color) / 570TVL (B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Scanning Frequency	(H)15.625KHz (V)50Hz	(H)15.734KHz (V)59.94Hz
S/N Ratio	More than 50dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Camera ID	1~999	
Communication	RS-485	
Protocol	CyberScan Ⅰ / Ⅱ, Pelco-D/P, Samsung	
MECHANICAL		
Day&Night	Auto ICR	
Min. Illumination	Color: 0.7 Lux , 0.0055 Lux (Sens up x128) @ 50 IRE B/W: 0.02Lux, 0.0001Lux (Sens up x128) @ 50IRE	
BLC	Low / Middle / High / Off	
Auto Gain Control	Normal / High / Off	
White Balance	Auto / Manual	
Electronic Shutter	X128~X2, 1/50~1/120,000	X128~X2, 1/60~1/120,000
Digital Noise Reduction	Low / Middle / High / Off	
Privacy Masking	Off / On (4 Zones)	
Alarm Input / Output	2 / 1	
Panning Range & Speed	0°~360°, 0.05°~360°/sec	
Tilting Range	180° (Auto-Flip on), 90° (Auto-Flip Off)	
Preset & Speed	255 presets with Independent Camera Setup, 360°/sec	
Auto Scan & Speed	8 Scan, 1°~180°/sec	
Group	8 Group(Max. 20 Enters for Each Group)	
Pattern	4 Pattern	
Schedule	7 Rule (Condition: Day Time / Action : Preset, Scan, Group, Pattern)	
PoE	IEEE 802.3af *Option*	
Power Source	DC12V	
Power Consumption	12W (wo/Fan&Heater : 8W)	
Operating Temperature	32°F~122°F (0°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-4°F~140°F (-20°C~60°C)	
Fan&Heater	Support (OPT : wo/Fan&Heater)	
IP Rating	IP 66	
Color	Ivory	
Weight	2.4kg	
Dimension(mm)	(W)200 X (H)184	
Material	Polycarbonate, Aluminum	

OPTION

- GS-IP10EX: wo/Fan&Heater
- GMB-610WJ: Wall Mount Bracket

- GMB-610CJ: Ceiling Mount Bracket

DIMENSION(UNIT: mm)



GS-IP10

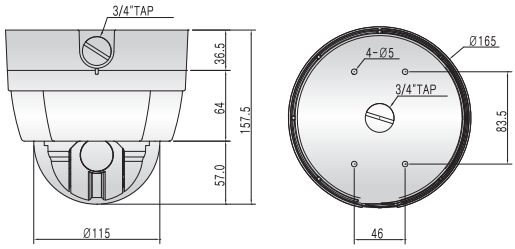
Network X10 Indoor Speed Dome Camera

SPECIFICATION

NETWORK		
OS		Embedded Linux
Video Compression		Triple Codec(H.264 / MPEG-4 / MJPEG)
Video Streaming Mode		VBR / CBR *Variable Bandwidth Control*
Resolution		D1, CIF, QCIF
Frame Rate		25/30FPS at D1
Audio Compression		2-Way, G 711 PCM 16kHz
Audio Input / Output		1 / 1
OSD		Support
SD Card Interface		Support
Motion Detection		Support *FTP, e-mail, Alarm out, JPEG Recording on SD*
Alarm		Pre-Post Alarm
Network		10/100 Mbps
Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP,HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3(MIB-2)
	IPv6	TCP/IP, HTTP, HTTPS, DHCP
	Security	HTTPS(SSL),Digest Authentication (ID/PW)
DDNS		Public DDNS Service
View		RMS, CMS, Web Browser
Motion Tracking		Hardware based object Tracking & Intelligent Tracking Algorithm
Auto Map		Auto Scenery map for quick PTZ movement

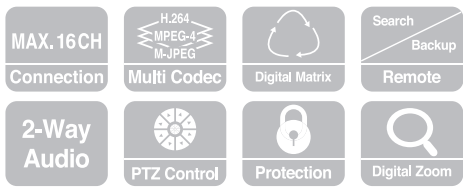
Model	GS-IP10(P)	GS-IP10(N)
GENERAL		
Signal System	PAL	NTSC
Image Sensor	Sony 1/4" Ex-View CCD	
Lens	X10 Optical Zoom with Auto Focus (X10 Digital zoom) F1.8(W) ~ 2.1(T), f = 3.8(W) ~ 38(T)mm	
Angle of View	H: 51.2° (W) ~ 5.58° (T), V: 39.3° (W)~4.27° (T)	
Total Pixel	440K	410K
Effective Pixel	(H)752 x (V)582	(H)768 x (V)494
Horizontal Resolution	500TVL (Color) / 570TVL (B/W)	
Scanning System	625 Lines [PAL] / 525 Lines [NTSC] 2 : 1 Interlace	
Scanning Frequency	(H)15.625KHz (V)50Hz	(H)15.734KHz (V)59.94Hz
S/N Ratio	More than 50dB (AGC Off)	
OSD	Support (Multi Language)	
Video Output Signal	VBS 1.0Vp-p Composite, 75Ω	
Video Output Connector	BNC	
Camera ID	1~999	
Communication	RS-485	
Protocol	CyberScan Ⅰ / Ⅱ, Pelco-D/P, Samsung	
MECHANICAL		
Day&Night	Auto ICR	
Min. Illumination	Color: 0.7 Lux , 0.0055 Lux (Sens up x128) @ 50 IRE B/W: 0.02Lux, 0.0001Lux (Sens up x128) @ 50IRE	
BLC	Low / Middle / High / Off	
Auto Gain Control	Normal / High / Off	
White Balance	Auto / Manual	
Electronic Shutter	X128~X2, 1/50~1/120,000	X128~X2, 1/60~1/120,000
Digital Noise Reduction	Low / Middle / High / Off	
Privacy Masking	Off / On (4 Zones)	
Alarm Input / Output	2 / 1	
Panning Range & Speed	0°~360°, 0.05°~360°/sec	
Tilting Range	180° (Auto-Flip on), 90° (Auto-Flip Off)	
Preset & Speed	255 presets with Independent Camera Setup, 360°/sec	
Auto Scan & Speed	8 Scan, 1°~180°/sec	
Group	8 Group(Max. 20 Enters for Each Group)	
Pattern	4 Pattern	
Schedule	7 Rule (Condition: Day Time / Action : Preset, Scan, Group, Pattern)	
PoE	IEEE 802.3af *Option*	
Power Source	DC12V	
Power Consumption	7.8W	
Operating Temperature	32°F~122°F (0°C~50°C)	
Operating Humidity	Up to 90% RH	
Storage Temperature	-4°F~140°F (-20°C~60°C)	
Fan&Heater	N/A	
IP Rating	IP 66	
Color	Ivory	
Weight	1.85kg	
Dimension(mm)	(W)165 X (H)157.5	
Material	Polycarbonate, Aluminum	

DIMENSION(UNIT: mm)



RMS

Remote Management Software



FEATURES

- Max. 16CH Connection
- Powerful Live Monitoring, Record, Playback, Backup
- Remote Search & Backup
- Support Multi Codec Compression : H.264, MPEG-4, M-JPEG
- Digital Matrix
- E-mail Notification on Event
- 2 Way Audio
- Virtual PTZ Control
- Multi Level User Authority

SPECIFICATION

Model		RMS-C16
Live	Monitoring	16CH
	PTZ Control	Virtual / Joystick Controller
	2 Way Audio	Support
	Sequence	Channel / Group
	Digital Zoom	Support
	Capture / Print	Support
Record	Configuration	Programmable Recording Channel
	Schedule	Always, Motion Detection, Sensor
Playback	Search	Time, Calender
	Speed	X0.5 / X1 / X2 / X4 / MAX
Backup	Local	Support
	Remote	Support
	Configuration	Support Clip-Copy
Log Search	System Log	Support
System Requirement	CPU	Intel Core2 Duo 2.0GHz or higher
	OS	Windows XP or Windows 7
	DRAM	2GB or higher
	VGA	128MB or higher, DirectX 9.0
	Display Resolution	1024 X 768 (With 32bit color) or higher
	HDD	80GB or higher
	Network	10/100/1000 Mbps

LIVE MODE

The RMS program is a PC software that enables monitoring and recording of DVR located at remote site.
User registers multiple number of DVR and makes streaming max. 16 channels at the same time.

SEARCH MODE

The search mode enables user to search recorded data stored at DVR located at remote site.

VIEWER

The viewer program is loaded automatically along with RMS installation. The program is used to play-back backup data from the main body of DVR.
To protect original data from illegal forgery or modification, all data is backed up in our own proprietary moving images, and only played back on Viewer program provided by GSP SYSTEMS Inc.

VIRTUAL CONTROLLER

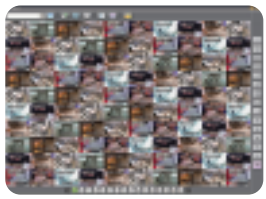
User can control all PTZ features using Virtual Controller supported on RMS. The Visual Controller functions as the actual Controller, and is only available on CyberScan™ Dome Camera, that are made and sold by GSP SYSTEMS Inc.

CMS

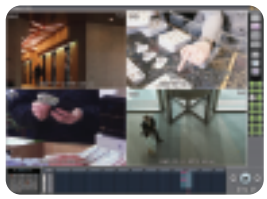
Central Management System
Integrate System with Perfect Compatibility

CMS

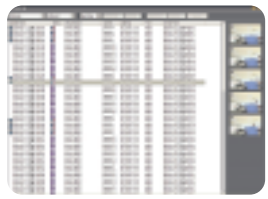
Central Management System



Live Monitoring

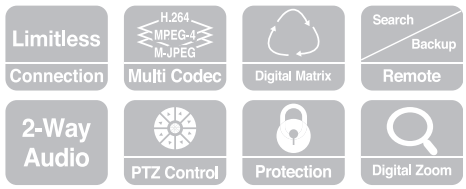


Playback



Event Management

E-Map



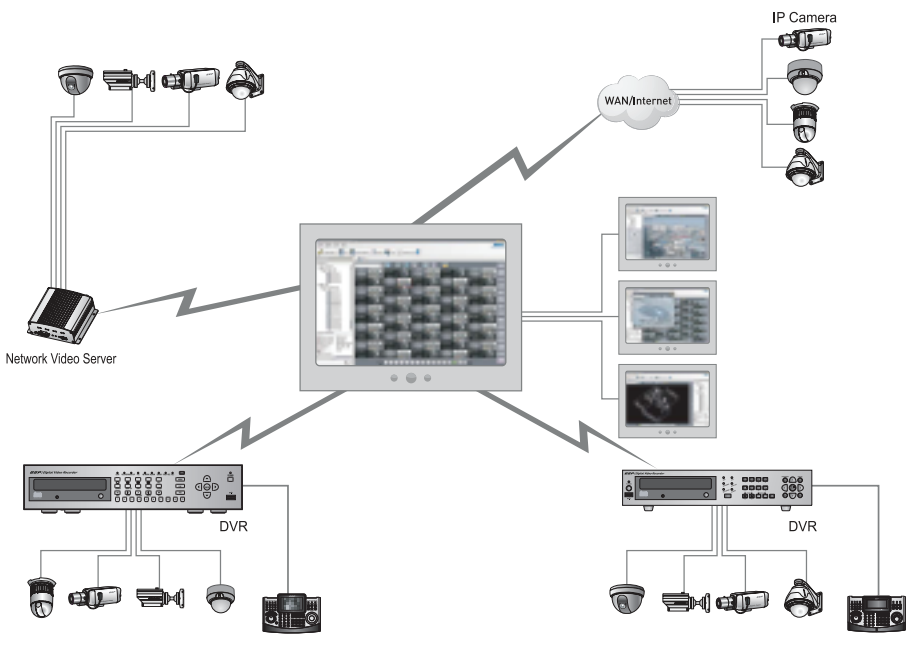
FEATURES

- Perfect Compatibility with GSP units
- Powerful Live Monitoring, Record, Playback, Backup
- Remote Search & Backup
- Support Multi Codec Compression *H.264, MPEG-4, M-JPEG*
- Control Every Function of DVR / Network Video Server / IP Camera
- Digital Matrix
- E-mail Notification on Event
- 2 Way Audio
- Virtual PTZ Controller
- Multi Level User Authority
- Event Log with Quick Search Player *Option*
- E-Map *Option*
- Public Address *Option*
- Client & Server *Option*

SPECIFICATION

Model		GCMS-7500	GCMS-7100	GCMS-7064	GCMS-7032
Live	Monitoring	Limitless	100CH	64CH	32CH
	PTZ Control	Virtual / Joystick Controller			
	2 Way Audio	Support			
	Sequence	Channel / Group			
	Digital Zoom	Support			
	Capture / Print	Support			
Record	Configuration	Programmable			
	Schedule	Always, Motion Detection, Sensor			
Playback	Search	Time, Calender			
	Speed	X0.5 / X1 / X2 / X4 / MAX			
Backup	Local	Support			
	Remote	Support			
	Configuration	Support Clip-Copy			
Log Search	System Log	Support			
	Event Log	Support	Option	Option	Option
E-Map		Support	Option	Option	Option
Public Address		Support	Option	Option	Option
Client & Server		Option	Option	Option	Option

CONFIGURATION



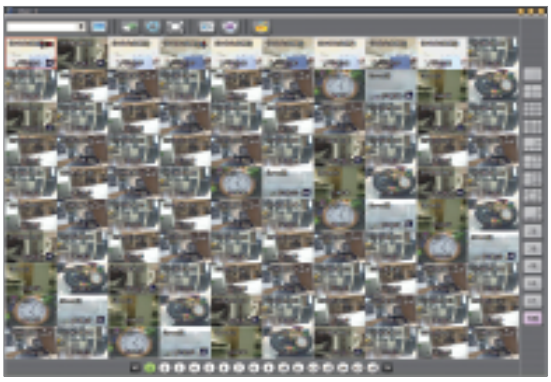
CMS

Central Management System

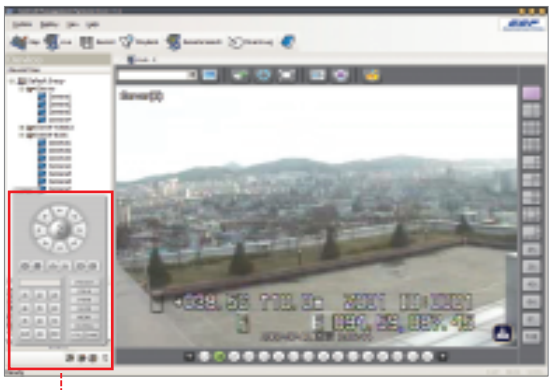
POWERFUL FEATURES

- Operate Live Monitoring, Record, Remote Search, Event Log, E-Map at the same time
- Display 100 Channels per Screen at the same time [Max. 500 Channels on 5 Screens]
- Record Realtime Image from DVRs/Servers/IP Cameras
- Back-up Recorded Image from DVRs
- Monitor Live and Recorded Image at the same time

LIVE MONITORING



- Display 100 Channels per Screen at the same time (Max. 500 Channels on 5 Screens)
- Drag and Drop Any Camera to Any Channel of Display Screen
- Digital Zoom In/Out

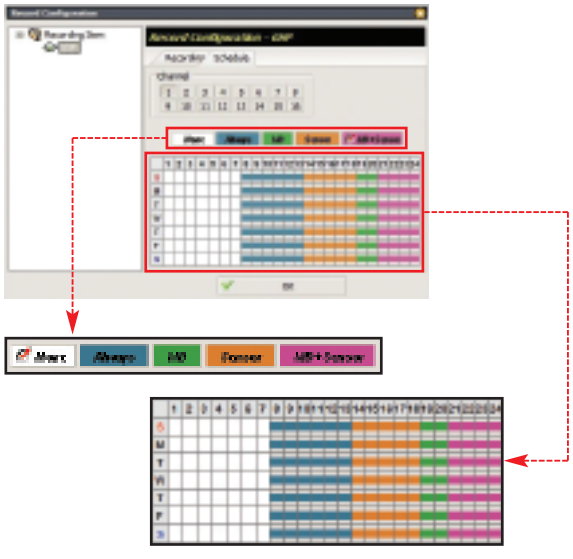


Virtual Contoller

- Control Every Function of PTZ Camera and Setup Menus with Virtual Controller

RECORD

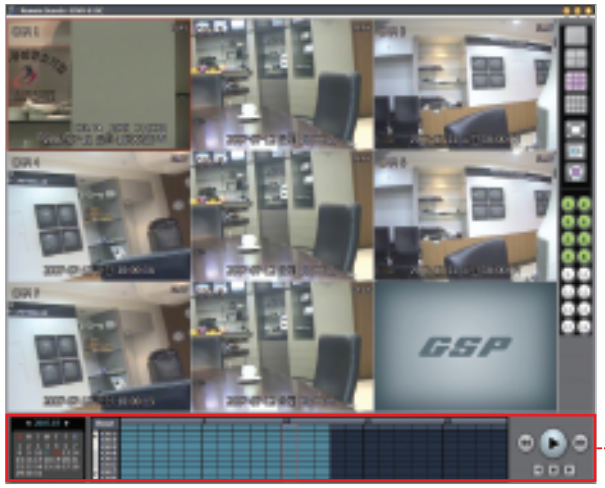
- Record Realtime Image from DVRs/Servers/IP Cameras to Local PC
- Record according to the Schedule which can be combined with None, Always, Motion Detection, Sensor, etc
- Record to the Designated Drives and Allocations



CMS

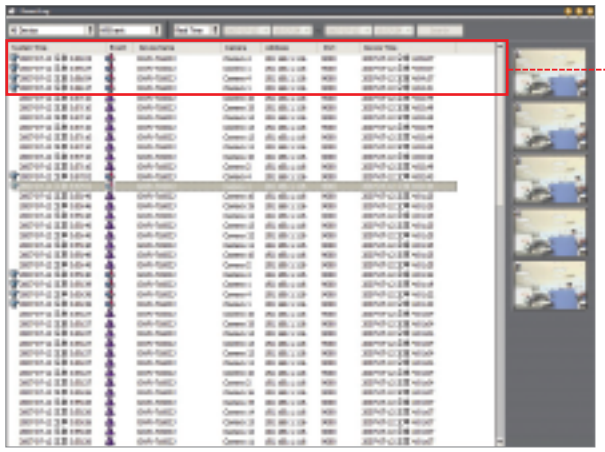
Central Management System

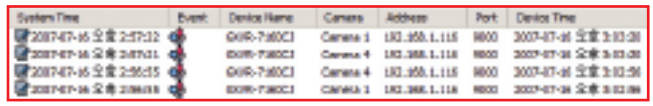
REMOTE SEARCH



- Search Recorded Image from Remote DVRs
- User Friednly Search Menu by Selecting Calendar and Time Table

EVENT MANAGEMENT





- Manage any kind of Events like Network Status, HDD Status, Sensor, Motion Detection, Video Loss, Recording On/Off, etc
- Capture 30 Frames of Image Automatically at the moment when Motion Detection or Sensor happened
- Send E-mail Automatically to any Authorized Person at the moment when Motion Detection, Sensor or Video Loss happened
- Support Quick Search Player (1CH)

E-MAP

- Electrical Map for Easy and Efficient Management from Remote Site
- Screen Pop up on Event, Alarm, Motion Detection, etc
- Map in Map

Accessory

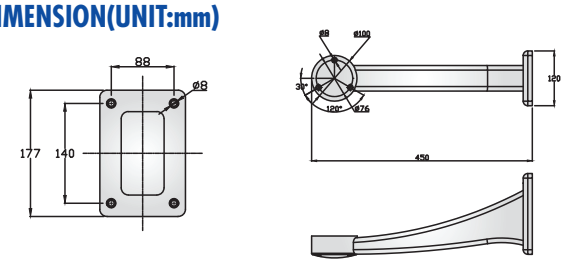
- Integrated Positioning System
- Cyber Scan Dome Ⅱ
- CCTV Camera (Housing & Lens)

Accessory - Integrated Positioning System

GMB-700W

- Wall Mount Bracket
- Weight : 1.7kg
- Material : Aluminum Die-Casting

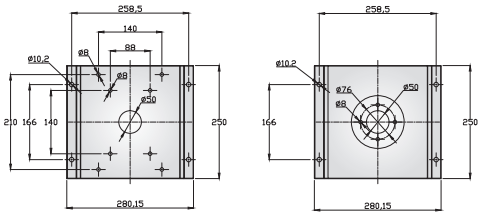
DIMENSION(UNIT:mm)



GMB-700P

- Pole Mount Adaptor
- Weight : 4.3kg
- Material : Aluminum Die-Casting

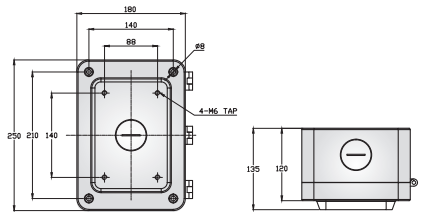
DIMENSION(UNIT:mm)

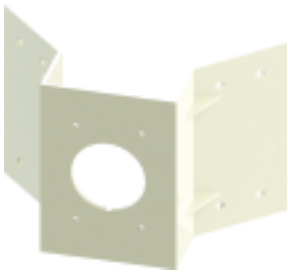


GMB-700J

- Junction Box
- Weight : 4.3kg
- Material : Aluminum Die-Casting

DIMENSION(UNIT:mm)

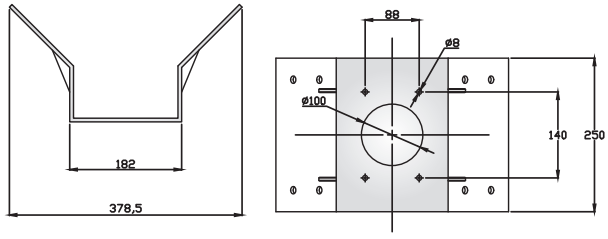




GMB-700C

- Corner Mount Bracket
- Weight : 2.5kg
- Material : Aluminum Die-Casting

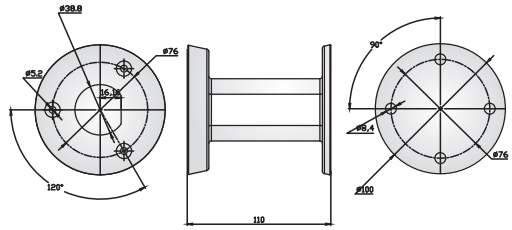
DIMENSION(UNIT:mm)



GMB-700PA

- Parapet Mount Bracket
- Weight : 1kg
- Material : Aluminum Die-Casting

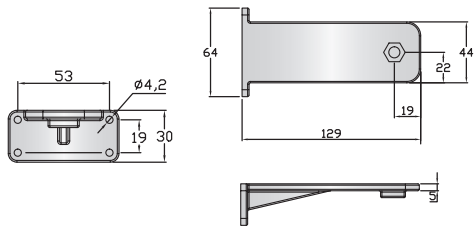
DIMENSION(UNIT:mm)



GMB-700L

- IR Illuminator Bracket
- Weight : 0.2kg
- Material : Aluminum Die-Casting

DIMENSION(UNIT:mm)

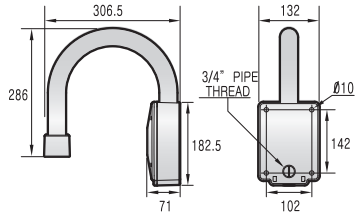


Accessory - Cyber Scan Dome Ⅱ

GMB-620WJ

- Wall Mount Bracket
- w/Junction Box
- Weight : 2Kg
- Material : Aluminum Die-casting
- Applicable Model
  - X36/X33/X20 Outdoor PTZ

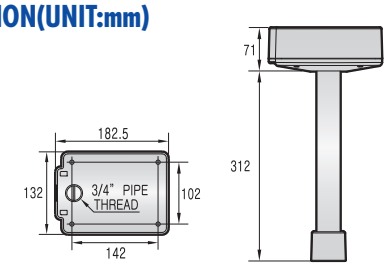
DIMENSION(UNIT:mm)



GMB-620CJ

- Ceiling Mount Bracket
- w/Junction Box
- Weight : 1.85Kg
- Material : Aluminum Die-casting
- Applicable Model
  - X36/X33/X20 Outdoor PTZ

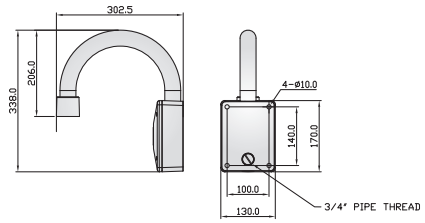
DIMENSION(UNIT:mm)



GMB-610WJ

- Wall Mount Bracket
- w/Junction Box
- Weight : 0.55Kg
- Material : Aluminum Die-casting
- Applicable Model
  - X10 Analog Outdoor PTZ

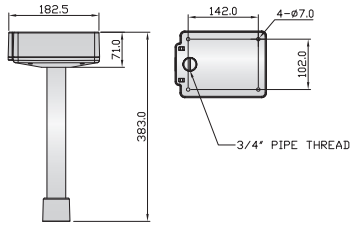
DIMENSION(UNIT:mm)



GMB-610CJ

- Ceiling Mount Bracket
- w/Junction Box
- Weight : 0.55Kg
- Material : Aluminum Die-casting
- Applicable Model
  - X10 Analog Outdoor PTZ

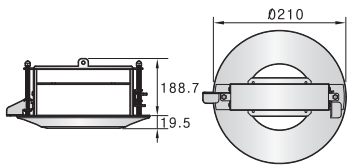
DIMENSION(UNIT:mm)



GMB-610F

- Flush Mount Bracket(In-ceiling)
- Weight : 1.25Kg
- Material : Polycarbonate, steel
- Applicable Model
  - X10 Indoor PTZ

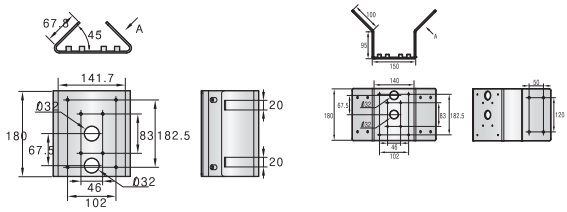
DIMENSION(UNIT:mm)



GMB-600P/600C

- Pole / Corner Mount Adapter
- Weight : 1.3Kg / 2.25kg
- Material : Aluminum Die-casting

DIMENSION(UNIT:mm)



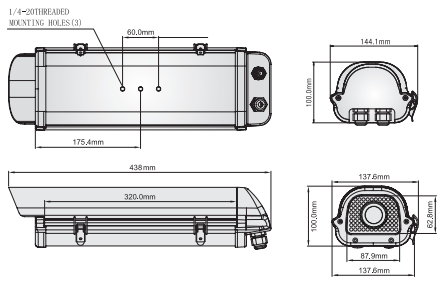
CCTV Camera Accessory

GMB-100EX GMB-100EXFH

GMB-100EX/100EXFH

- Outdoor Housing
- 12" Inner Length
- IP 55 Rating
- Built-in Fan/Heater GMB-100EXFH Only
- Simple Cap type end for easy installation & services
- Long lifespan against UV exposure
- Side opening type with two latches
- Operation Temperature
  - GMB-100EX : 14°F~104°F (-10°C~40°C)
  - GMB-100EXFH : -31°F~122°F (-35°C~50°C)
- Material : Aluminum, ABS

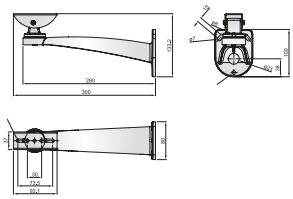
DIMENSION(UNIT:mm)



GMB-100W

- Wall Mount Bracket
- Outdoor/Indoor Application
- Adjustable swivel head
- Maximum loading up to 15Kg
- Tilt adjustable : ±85°
- Material: Aluminum

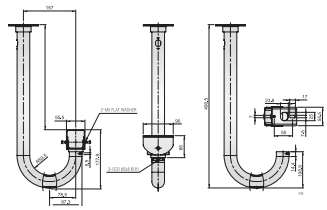
DIMENSION(UNIT:mm)



GMB-100C

- Ceiling Mount Bracket
- Outdoor/Indoor Application
- Adjustable swivel head
- Maximum loading up to 15Kg
- Tilt adjustable : ±85°
- Material: Aluminum

DIMENSION(UNIT:mm)



C/CS Mount Lens

- 1/3" Image Device
- 2.8-8mm Focal Length
- X2.8 Zoom Ratio
- Auto Iris(DC)
- Iris Range : F0.95 ~ T360

- 1/3" Image Device
- 2.7-13.5mm Focal Length
- X5 Zoom Ratio
- Day&Night
- Auto Iris(DC)
- Iris Range : F1.3 ~ T360

- 1/3" Image Device
- 5-50mm Focal Length
- X10 Zoom Ratio
- Auto Iris(DC)
- Iris Range: F1.3 ~ T360

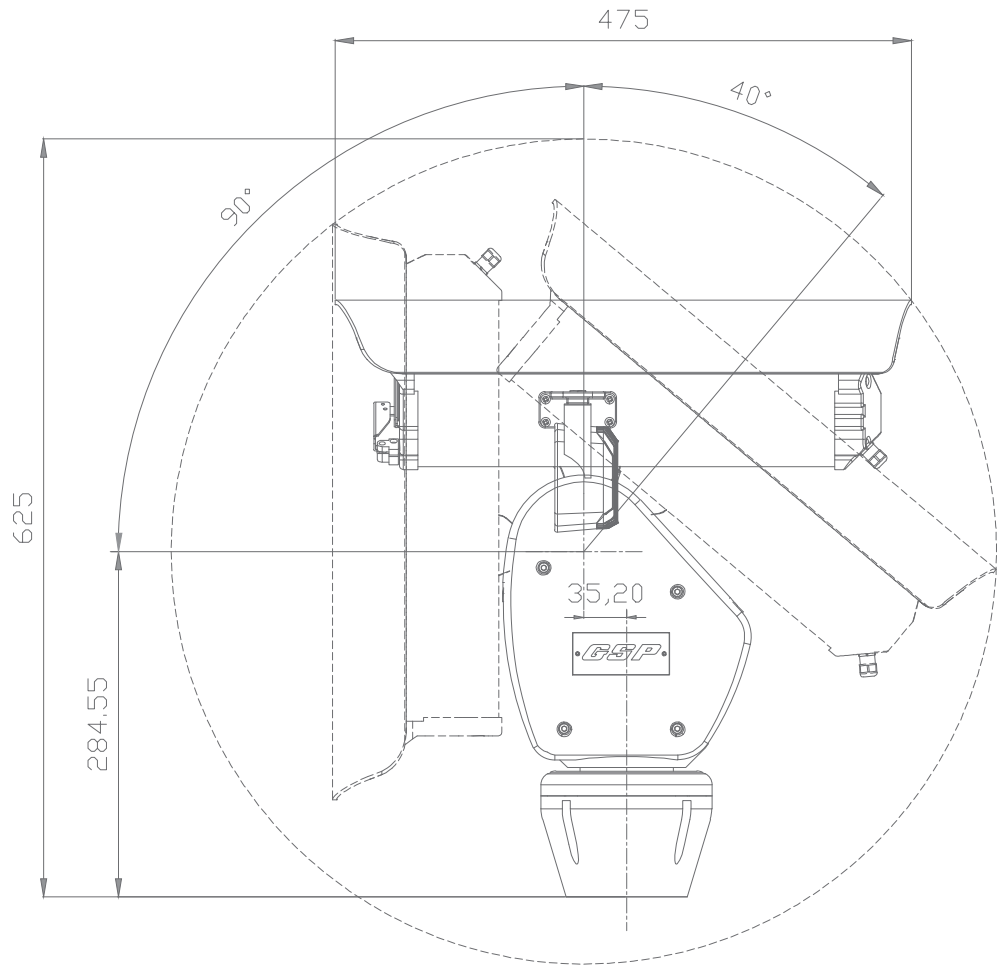
Mega Pixel C/CS Mount Lens

- 3Mega Pixel
- 1/3"/1'4" Image Device
- 2.8-8mm Focal Length
- X2.8 Zoom Ratio
- Auto Iris(DC)
- Iris Range : F1.2 ~ T360

- 3Mega Pixel
- 1/3"/1'4" Image Device
- 15-50mm Focal Length
- X3.3 Zoom Ratio
- Auto Iris(DC)
- Iris Range : F1.5 ~ T360

- 1.3Mega Pixel
- 1/3"/1'4" Image Device
- 5-50mm Focal Length
- X10 Zoom Ratio
- Day&Night
- Auto Iris(DC)
- Iris Range : F1.6 ~ T360

MEMO



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